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RESEARCH MEMORANDUM

A WIND-TUNNEL INVESTIGATION OF THE
WING LOADS DUE TO DEFLECTED INBOARD AILERONS ON A
45° SWEPTBACK WING AT TRANSONIC SPEEDS
By Atwood R. Heath, Jr., and Ann W. Igoe

Langley Aeronautical Laboratory Langley Field, Va.

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WING LOADS DUE TO DEFLECTED INBOARD AILERONS ON A
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SUMMARY

The effects of deflected inboard ailerons on the wing loads of a 45° sweptback wing-body combination have been investigated in the Langley 16-foot transonic tunnel. The model had a wing with an aspect ratio of 3, a taper ratio of 0.2, and NACA 65AOO4 airfoil sections. The flaptype ailerons had chords equal to 30 percent of the wing local chords and had spans that extended outboard from the 18.5-percent-semispan station for 39.5 percent of the wing semispan. Pressure measurements were obtained at six spanwise stations on the wing for model angles of attack from 0° to about 21° in the Mach number range from 0.80 to 1.03 at Reynolds numbers of 6.4×10^6 to 7.7×10^6 .

The deflected aileron caused a significant added loading over the wing sections outboard of the aileron at all Mach numbers and at model angles of attack from 0° up to about 8° or 12°. In the low angle-of-attack range (from 0° to 8°), the shape of the additional spanwise loading was predicted fairly well by subsonic theory in the Mach number range from 0.80 to 0.98. The deflected aileron also caused a carry-over load to the opposite wing that was essentially constant with both Mach number and model angle of attack.

INTRODUCTION

Pressure-field measurements on thin sweptback wings with deflected ailerons operating in the transonic speed range are scanty. Some data for outboard ailerons are available and reported in references 1, 2, and 3. Pressure measurements at one wing spanwise location are presented in reference 4 for a midspan aileron and in reference 5 for a full-span aileron. The present investigation was undertaken to determine the effects of inboard ailerons and is part of a program in the Langley

16-foot transonic tunnel to obtain data on thin wings of unswept, swept, and delta plan forms in the transonic speed range. The program includes studies of the effects of lateral controls for all three plan forms. The present paper presents the loadings on a thin wing having 45° of sweepback for several inboard-aileron deflections, as well as the effects of carryover loads to the opposite wing induced by the deflected ailerons.

The model used for the investigation had a wing with 45° of sweepback, an aspect ratio of 3.0, a taper ratio of 0.2, and NACA 65A004 airfoil sections parallel to the free stream. Previous investigations made of this wing are presented in references 6, 7, 8, and 9. For the present investigation, each wing was fitted with trailing-edge flap-type inboard ailerons. The ailerons had a chord which was 30 percent of the local wing chord and a span which was 39.5 percent of the wing semispan. Data were obtained in the angle-of-attack range from 0° to about 21° at Mach numbers from 0.80 to 1.03 and test Reynolds numbers from 6.4 \times 10 6 to 7.7 \times 10 6 for nominal aileron deflections to \pm 15°.

SYMBOLS

D	Wing span
С	local wing chord measured parallel to body center line
c'	wing mean aerodynamic chord
ē	wing average chord, S/b
$c_{m_C/4}$	wing section pitching-moment coefficient about 0.25c, $\int_0^1 \left(^{\text{C}}_{\text{p,l}} - ^{\text{C}}_{\text{p,u}} \right) \left(^{\text{0.25}} - \frac{x}{c} \right) d\left(\frac{x}{c} \right)$
c _n	wing section normal-force coefficient, $\int_0^1 (C_{p,l} - C_{p,u}) d(\frac{x}{c})$
Δc_n	additional wing section normal-force coefficient due to deflection of the aileron
c_{m}	wing section pitching-moment coefficient about 0.25c', $c_{m_c/4}$ - $c_{n}(0.25 - \frac{x'}{c})$

Cm wing pitching-moment coefficient about 0.25c',

$$\int_{0.16}^{1.0} c_m \frac{c^2}{\bar{c}c'} d\left(\frac{y}{b/2}\right)$$

 c_{N} wing normal-force coefficient, $\int_{0.16}^{1.0} c_{n} \frac{c}{\overline{c}} d\left(\frac{y}{b/2}\right)$

 $\infty_{
m N}$ wing additional normal-force coefficient due to aileron deflection

 C_p pressure coefficient, $\frac{p_{local} - p}{q}$

 $C_{N,F}$ total model normal-force coefficient, $\frac{N_F}{qS/2}$

 $\Delta c_{N,F}$ total model additional normal-force coefficient due to aileron deflection

△CN, c carryover wing normal-force coefficient

M Mach number

 $N_{
m F}$ total model normal force (from strain-gage balance measurements)

p free-stream static pressure

q free-stream dynamic pressure

S wing area (includes area covered by body)

distance from leading edge of wing or nose of body (positive rearward)

x' distance from wing leading edge to a line perpendicular to plane of symmetry and passing through 0.25c' (negative when leading edge is downstream of perpendicular line)

 $\frac{x_{cp}}{c}$ section chordwise center-of-pressure location, 0.25 - $\frac{c_{mc}/4}{c_n}$

 $\frac{X_{cp}}{c'}$ wing chordwise center-of-pressure location, 0.25 - $\frac{C_m}{C_N}$

У	spanwise distance measured from body center line
<u>Уср</u> b/2	wing spanwise center-of-pressure location
$\left(\frac{y_{cp}}{b/2}\right)_{add}$	wing spanwise center-of-pressure location of the additional load due to aileron deflection
α	angle of attack of body center line
δ	angle of aileron deflection, in plane normal to aileron hinge line (positive when trailing edge delfected down)
$\delta_{ exttt{N}}$	nominal aileron deflection angle (at zero load)
Subscripts:	
L	refers to aileron on left wing (wing opposite to the wing on which the pressures were measured)
7	wing lower surface
u	wing upper surface

MODEL AND APPARATUS

Model

The wing, which was constructed of aluminum alloy, had a sweepback of the quarter-chord of 45°, a taper ratio of 0.2, an aspect ratio of 3.0, and NACA 65A004 airfoil sections parallel to the air flow. A sketch of the wing is given in figure 1 and photographs are shown in figure 2. The right wing had pressure orifices located at six spanwise stations; however, the orifices at station A were actually on the body about 1/16 inch from the wing surface. The tables in figure 1 give the locations of all pressure-measuring orifices. The wing was located in the midwing position at zero angle of attack on a body that had an ogival nose and a cylindrical midsection. Body ordinates are given in figure 1.

Trailing-edge flap-type ailerons with their hinge lines at 70 percent of the local chord and spans that extended from 18.55 percent to 58.05 percent of the wing semispan were located on each wing. The aileron on the right wing, the wing on which pressures were measured, was

attached to the wing by a full aileron span tongue so that no gap between the wing and the aileron existed at the hinge line. A prebent tongue was provided for each nominal aileron deflection investigated. The aileron was made in two sections so that at the aileron midspan a small spanwise gap existed for the full aileron chord. The left wing had four aileron sections but only the two inboard ones, which were identical in geometry to the two sections of the aileron on the right wing, were deflected. Each section was attached to the wing with two prebent tongues. Each tongue was only 0.86 inch in width so a chordwise gap of about 0.4 percent wing chord existed at the hinge line over 71 percent of the aileron span.

Apparatus

The investigation was made in the Langley 16-foot transonic tunnel, which is an atmospheric wind tunnel with a slotted test section that allows interference-free testing to Mach numbers slightly over 1.00. Additional details of the tunnel are given in reference 10.

The model was supported by a sting attached to a support strut which changed model angle of attack in such a way that the model was kept close to the tunnel center line. Model forces and moments were measured by an internal six-component strain-gage balance. Since the force and moment data for the model are presented in reference 8, only a small part of the data are shown in this paper for comparison with forces obtained from pressure measurements.

TESTS

The test conditions included a Mach number range from 0.80 to 1.03 and an angle-of-attack range from approximately 0° to about 21°. Data were taken at angle-of-attack increments of 2° for the wing with zero aileron deflection and at increments of 4° for all other configurations. The Reynolds number based on the wing mean aerodynamic chord varied from 6.4×10^6 to 7.7×10^6 .

The model was tested in several different configurations that may be divided into four main groups. The first group consisted of the basic wing for which all nominal aileron deflections were zero. The second group consisted of four configurations that had zero nominal deflection of the left-wing aileron in conjunction with nominal aileron deflections perpendicular to the hinge line on the right wing (pressure-measurement wing) of 7.5°, -7.5°, 15°, and -15°. The third group consisted of two configurations that had zero nominal deflection of the

right-wing aileron in conjunction with nominal aileron deflections on the left wing of 15° and -15°. The fourth group had one configuration with oppositely deflected ailerons for which the left-wing aileron was deflected 15° and the right-wing aileron was deflected -15°.

REDUCTION OF DATA AND ACCURACY

Reduction of Data

In the reduction of the manometer data to pressure coefficients and wing section normal-force and pitching-moment coefficients, the data on the manometer film were read on a film reader connected to a card punch. The cards were processed through electronic computers to determine pressure coefficients. The pressure coefficients were then integrated on electronic computers, using rectangular step integrations, to obtain wing section normal-force and pitching-moment coefficients.

Corrections and Accuracy

Corrections were made to the model angles of attack for deflections due to normal force and pitching moment. A calibration of the model deflection due to static loading in normal force and pitching moment was obtained. A tunnel upwash angle of 0.17° , determined by testing the model in the inverted as well as in the normal upright position, has been added to the angles of attack presented. In view of all the factors present, the angle of attack is believed to be accurate to $\pm 0.1^{\circ}$.

From film-reading accuracy and repeatability of data, the pressure coefficients are considered to be accurate within ± 0.005 . The wing section normal-force and pitching-moment coefficients include the section forces and moments contributed by the aileron for the two spanwise pressure-measurement stations (stations B and C) at which some pressure orifices were located on the aileron.

Corrections to the nominal aileron deflections due to deflection under load were obtained from static calibration of the ailerons and from hinge moments obtained during the tests. The hinge moments were obtained from four pressure-measurement stations and the data are presented in reference 9. (The investigation of reference 9 was run simultaneously with this investigation.) The corrected aileron deflections are considered to be accurate to $\pm 0.25^{\circ}$.

No corrections have been made for either sting interference or wing aeroelasticity. However, the elastic properties of the right wing

(pressure-measurement wing) obtained from static loadings are given in reference 7.

RESULTS AND DISCUSSION

The results of the present investigation are presented as follows:

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														Ta	ble
Pressure coefficients: Basic wing; $\delta_N = 0^\circ$.															I
Deflected aileron; $\delta_{ m N}$															
Deflected aileron; $\delta_{ m N}$	= -7	·50													III
Deflected aileron; δ _N	= 15	.00													IV
Deflected aileron; $\delta_{ m N}$	= -1	5.0°													V
Wing section normal-force	e and	pito	chir	ıg-ı	nome	ent	coe	eff	cic	ie	nt	s			VI
														Fig	ure
Pressure distributions .															-
Span loading parameters Wing loading parameters		• • •													
Wing carryover loadings															-

Table VI presents the integrated chordwise pressures for each of the six spanwise stations of the five configurations listed in tables I to V as well as the section data obtained on the three configurations investigated for carryover loading effects.

In the following discussion of the results, average values of angle of attack are used for the comparisons made between the data of different configurations at given angles of attack. The data from actual test points have been used for most comparisons because the angles of attack agree with the average values within the previously quoted accuracy of ±0.1°. For several comparisons, where data of the test points were not obtained at the desired angles of attack, interpolated data have been used. It should also be noted that comparisons of data are made for nominal aileron deflections; that is, the data have not been cross plotted to remove the effects of aileron deflection due to load. This simplification is not believed to affect any conclusions drawn from the comparisons.

Chordwise Pressure Distributions

Figures 3 and 4 show comparisons of the chordwise pressure distributions on the basic wing with those on a wing with the aileron deflected

first positively and then negatively. Only the data from two aileron configurations are deemed necessary to illustrate the effects of aileron deflection on the wing pressure field. A complete discussion of the basic-wing chordwise pressure distributions and flow characteristics is given in reference 7; therefore, only the effects due to the deflected ailerons will be discussed herein. Slight differences between the pressure distributions of the present data and those of reference 7 may be noted, which are considered to be due to differences in the wing construction for the two investigations.

The curves of figure 3(a) show that at a Mach number of 0.80 and an angle of attack of 0.2° , the positively deflected aileron caused not only more negative pressures over the inboard section of the upper surface of the wing, but also that this effect extended to the wing tip to a lesser although still significant degree. At station 0.60b/2, which is immediately outboard of the aileron tip, the pressures due to the aileron are distributed in a pattern roughly similar to a distribution over a station on the aileron, with the peak negative pressures located toward the rear of the chord. Farther outboard, the more negative pressures on the upper surface are located forward, and at the 0.95b/2 station, the more negative pressures are located at the wing leading edge.

The incremental pressures on the lower surface outboard of the aileron are affected in roughly the same manner as the upper surface pressures.

With an increase in angle of attack to $\alpha = 8^{\circ}$, flow separation at the wing leading edge is present on the upper surface at the 0.95b/2 station, but a decrement in pressure is in evidence for the deflected-aileron distributions. However, at the next inboard station, there is little difference between the pressure distribution due to the deflected aileron and that of the basic wing; thus, the aileron deflection gives no additional load. Analysis of the basic-wing pressure distributions and wing spanwise loadings of reference 7 shows that a similar situation exists in the angle-of-attack range above about 8°; that is, for an increase in wing angle of attack, which may be considered analogous to deflecting an aileron positively, an increase in loading at the tip station resulted in no increase in loading at the next inboard station. It may be assumed, therefore, that the decrease in pressure coefficients at the tip with little or no decrease inboard is a phenomenon associated with the basic-wing flow field. Since no flow visualization information on the wing with deflected aileron is available, positive identification of the exact cause is difficult.

As the angle of attack is increased above 8° , flow separation over the upper surface of the wing spreads inboard over the aileron decreasing its effectiveness. The change in pressure distributions due to the deflected aileron also becomes less apparent over the outboard section

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of the wing. At the highest angle of attack reached, about 21°, the flow over the upper surface of the wing is almost completely separated in to the body for both the basic wing and the wing with the deflected aileron, and little or no effect of the aileron is observed over the whole upper wing surface. The wing lower surface pressures are still affected by the deflected aileron, but the effect does not extend any distance toward the wing tip.

The effect of Mach number on the pressure distributions due to a positively deflected aileron on the wing is shown in figures 3(a) to 3(e). At low angles of attack (around 0° to 4°), the effect of the deflected aileron is noticed in the pressure distributions over the outboard part of the wing at all Mach numbers. The center-of-pressure difference on the upper surface due to aileron deflection moves aft with increase in Mach number. In the intermediate angle-of-attack range (from 8° to 16°), the effect noted at a Mach number of 0.80 of a greater change in pressures at the tip station with aileron deflection than is seen at the next inboard stations is observed at all Mach numbers. At the highest angle of attack (about $\alpha = 21^{\circ}$) at Mach numbers of 0.90 and 0.94 (see figs. 3(b) and 3(c)), aileron deflection results in complete chordwise separation of the flow from the upper surface in the spanwise region of the aileron. This separation causes a loss in lift over the upper surface where an increase in lift would be expected for the positively deflected aileron. No effect of the aileron is noted over the upper surface of the outboard wing section and little effect of the aileron on the lower surface pressures is observed. The combined effects of the deflected aileron indicate that the aileron would be ineffective as a roll device at $\alpha \approx 21^{\circ}$ in the Mach number range of 0.90 to 0.94.

For the negatively deflected aileron configuration in the low angle-of-attack range ($\alpha = 0^{\circ}$ to 4°) at a Mach number of 0.80, there are large effects of the deflected aileron in the pressures outboard of the aileron to the wing tip (see fig. 4(a)), just as for the positively deflected aileron. The chordwise pressure distributions due to the negatively deflected aileron on the wing show a similarity to those for the positively deflected aileron in that, immediately outboard of the aileron, the peak pressures due to the aileron are toward the rear of the wing, and at the wing tip, the peak pressures are located at the wing leading edge. With increase in Mach number (see figs. 4(a) to 4(e)), the peak pressures over the outer section of the wing due to aileron deflection move aft toward the trailing edge of the wing, as they did for the positively deflected aileron.

In the angle-of-attack range from 8° to 21° in figure 4(a), uppersurface flow separation starts at the tip and moves inboard with increased angle of attack without causing the pronounced change of additional pressures at the 0.75b/2 station that was noticed for the positively deflected aileron. High negative pressures occur over the upper

surface of the wing over the last 20 percent of the wing chord at the 0.60b/2 station for $\alpha = 12^{\circ}$ of figure 4(a). These pressures are of interest because they act in the direction to reduce the decrement of load induced by the negatively deflected aileron. The pressures appear to be caused by a locally high velocity flow through the outboard aileron-wing gap, and are the result of the large pressure differential between the upper and lower wing surfaces that occurs once the flow separation on the wing has progressed inboard to this station. Figure 3. which presents the wing pressures for a positively deflected aileron, also shows that the same type situation exists but on the lower surface of the 0.60b/2 station at all angles of attack and Mach numbers. The effect is noted at the lower angles of attack, but is less pronounced because the pressure differential between the upper and lower surfaces is much less as long as the flow remains attached. The high negative pressures are noticed at all angles of attack and Mach numbers to some extent, but are most pronounced from M = 0.80 to 0.94.

At the highest angle of attack reached, about 21°, at Mach numbers of 0.80 and 0.90 (see figs. 4(a) and 4(b)), the negatively deflected aileron delays wing leading-edge flow separation to a higher angle of attack over the inboard section of the wing; thus, the overall decrement in pressures due to aileron deflection is reduced.

Effect of Ailerons on Wing Section Loadings

Measured wing section loadings .- The variation of measured section normal-load parameter $c_n = \frac{c}{2}$ with fraction of semispan $\frac{y}{h/c}$ is presented in figure 5. The basic wing data are shown with the data for the two aileron deflections that were presented in connection with the discussion of the chordwise pressure distributions in the preceding section. Although the spanwise load distributions are a summary of the chordwise pressure distributions which have already been discussed, a brief discussion of the more important aspects of the load distributions is included. At all Mach numbers and low angles of attack (up to about 8°), the additional loading due to aileron deflection extends beyond the aileron outboard tip to the wing tip. Above $\alpha = 8^{\circ}$, the additional loading outboard of the aileron is reduced below the additional loading obtained at the lower angles of attack and, for many conditions, becomes negative for the positively deflected aileron. At the highest angle of attack reached, about 21°, the positively deflected aileron causes little additional load over the whole wing at Mach numbers of 0.90 and 0.94. (See figs. 5(b) and 5(c).)

The wing section center-of-pressure locations for the spanwise-loading curves shown in figure 5 are presented in figure 6. In general, at lifting conditions, the positively deflected aileron causes the

section center-of-pressure location to move aft, and the negatively deflected aileron causes a forward movement with respect to the center-of-pressure location for the basic wing. At angles of attack from about 12° up, the center-of-pressure locations for both aileron deflections cross the ¢enter-of-pressure location of the basic wing at about the 0.60b/2 station. This shift in the center-of-pressure location is believed to be a result of the flow through the outboard aileron-wing gap which caused a loss in either increment or decrement in additional normal force over the aft part of the 0.60b/2 station.

Comparison of theoretical and measured wing section normal loading. Figure 7(a) presents the measured additional span loading parameters $\Delta c_n \frac{c}{c}$ on the pressure-measurement wing for the case of oppositely deflected ailerons $\left(\delta_{N,L}=15^{\circ},\ \delta_{N}=-15^{\circ}\right)$ at a Mach number of 0.80 and an angle of attack of 0°. A method of calculating the theoretical antisymmetric span loading of wings at subsonic speeds is given in reference 11. With the use of this method, the additional span loading parameters have been calculated for oppositely deflected ailerons and compared with the measured distribution in figure 7(a). Poor agreement between the measured and the calculated distributions is noted. The poor agreement may be partially caused by a factor in the calculations which is applied to account for partial-chord ailerons. The factor is strongly affected by low aspect ratios and is not considered valid if the product of aspect ratio and compressibility parameter $\sqrt{1-M^2}$ is much below 2. In the present case, the factor is only 1.8.

Figure 7(b) shows a comparison of the measured and theoretical span load distribution normalized by the additional wing normal-force coefficient α . The relatively good overall agreement between the measured and theoretical normalized coefficients indicates that the lateral center of pressure of additional load α , which is dependent only on

the spanwise distribution of load, may be calculated with good accuracy. The rather poor agreement at the most inboard station may be due to the effects of the body flow field which have not been taken into account in the theoretical calculations.

The spanwise loadings of figure 7 were for a configuration with antisymmetric aileron deflections; yet, most of the data of the present investigation were obtained on a configuration with the aileron deflected on one wing only. Figure 8 shows a comparison of the lateral center-of-pressure locations of additional load on a wing with only one aileron deflected $(\delta_N = -15^\circ)$ with the locations on a wing with antisymmetrically deflected ailerons $(\delta_{N,L} = 15^\circ)$, $\delta_N = -15^\circ)$. The lateral center-of-pressure

locations of additional load for the two configurations are within 1 percent of wing semispan of each other for all Mach numbers up to angles of attack of about 8°, which shows that the shape of the span load distribution is little affected by the aileron on the opposite wing at low angles of attack for the present wing-fuselage configuration.

Since it appears that the shape of the additional span load distribution on a wing with a deflected aileron is negligibly affected by the aileron on the opposite wing in the low angle-of-attack range, comparisons are made in figure 9 of the theoretical normalized distributions with the measured normalized distributions for one aileron deflected both positively and negatively at $\alpha\approx0^{\circ}$ and all Mach numbers of the investigation. In general, the measured distributions agree fairly well with the theoretical up through a Mach number of 0.98. However, the loadings at both the most inboard station 0.1604b/2 and the station just outboard of the aileron 0.60b/2 appear to be consistently below the theoretical curves. In both cases, the loss in loading is probably partially due to the flow through the aileron-wing gaps, which has previously been discussed. At a Mach number of 1.03 the agreement has become poorer, but the general shape of the measured curves is still similar to the theoretical. Better agreement would be considered fortuitous as the theoretical curve is based on subsonic theory.

Figure 10 shows the effect of angle of attack on the lateral center-of-pressure location of additional load for the two aileron deflections and also the comparison with the theoretical values. The best agreement between the theoretical and the measured values is near $\alpha=0^{\circ}.$ At higher angles of attack, above the range of 8° to $12^{\circ},$ the agreement becomes worse as would be expected because flow separation occurs over the wing outboard of the aileron. The flow separation reduces the additional loading and thus moves the lateral center-of-pressure location inboard.

Effect of Aileron on Wing Loading

The wing normal-force coefficients are presented in figure 11, and the longitudinal and spanwise center-of-pressure locations are given in figures 12 and 13, respectively. These figures are presented without discussion because the effects of ailerons discussed in the sections on chordwise pressure distributions and wing section loadings are reflected in the wing loadings.

Effects of a Deflected Aileron on Opposite-Wing Loading

The use of flap-type ailerons located inboard on the wing for lateral control presents a problem not usually encountered when ailerons

are located more toward the tip of the wing. The additional loads due to aileron deflection are distributed as carryover loads to the body and the opposite wing as well as being distributed over the wing on which the aileron is deflected. In order to illustrate the amount of carryover load to the opposite wing and the body, a comparison is made in figure 14 of the total model additional normal-force coefficient $\Delta C_{\mathrm{N.F}}$, as determined from the strain-gage balance, with the wing additional normal-force coefficient $\Delta C_{\rm N}$, as determined from pressure measurements, for two nominal aileron deflections. If the additional normal-force coefficient were all on the wing with the deflected aileron, $\,\Delta\!C_{
m N}\,$ from pressure measurements would be equal to the total additional normal-force coefficient $\Delta C_{\mathrm{N.F}}.$ For both nominal aileron deflections at all Mach numbers and angles of attack, the additional wing normal-force coefficients are lower than the total model normal-force coefficients; thus, an appreciable amount of carryover load to the opposite wing and the body is indicated.

The effect of aileron deflection on the opposite wing is illustrated in figures 15 and 16. These figures show the carryover loads to the opposite wing $\Delta C_{N,c}$ as a function of angle of attack in figure 15 and of Mach number in figure 16. Within reasonable accuracy, there is little effect of angle of attack or Mach number on the carryover loads. Near 00 angle of attack at all Mach numbers, a carryover load $\Delta C_{N,c}$ of about 0.02 exists, which is about 13 percent of the additional load on the wing with deflected aileron. It is therefore necessary to take carryover loads into account when applying the data of this paper to configurations with oppositley deflected ailerons.

One fact in regard to the relative insensitivity of carryover normal-force coefficients to angle of attack should be noted. In figure 14(a), the additional wing normal-force coefficient goes to zero around an angle of attack of 21° for Mach numbers of 0.90 and 0.94, while the carryover load (fig. 15) remains essentially constant. This can be explained by inspecting the pressure distributions of figures 3(b) and 3(c) for angles of attack near 21°. The positively deflected aileron induces an angle-of-attack increase over the inboard section of the wing sufficient to separate the flow over the upper surface, thus actually decreasing the wing additional normal-force coefficient. At the same time, this aileron induces a smaller angle-of-attack increase on the opposite wing which does not separate the flow, so that a carryover normal-force coefficient results.

Wing spanwise center-of-pressure locations for the carryover loads are not shown because the locations were too erratic to be considered reliable. The center-of-pressure locations of additional load for the wing with aileron deflected ($\delta_{\rm N}$ = -15°) and the wing with oppositely

deflected ailerons (δ_N = -15°, $\delta_{N,L}$ = 15°) are shown in figure 8. For all Mach numbers in the low angle-of-attack range (up to about 8°), the center-of-pressure locations are essentially the same for both configurations; thus, the carryover load affects the shape of the additional loading due to aileron deflection very little.

CONCLUSIONS

From the results of an investigation of the wing loads due to deflected inboard ailerons on a 45° sweptback wing operating in the transonic speed range, the following conclusions may be drawn:

- l. The deflected inboard aileron causes a significant added loading over the wing sections outboard of the aileron at all Mach numbers and at model angles of attack from 0° up to about 8° or 12° .
- 2. In the low angle-of-attack range (from 0° to 8°), subsonic theory predicts the shape of the additional spanwise loading fairly well in the Mach number range from 0.80 to 0.98, but not so well at a Mach number of 1.03.
- 3. The deflected inboard aileron causes a carryover load on the opposite wing that is essentially constant with both Mach number and model angle of attack.

Langley Aeronautical Laboratory,
National Advisory Committee for Aeronautics,
Langley Field, Va., April 18, 1958.

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 $\label{eq:table_interpolation} \text{Table i}$ Pressure coefficients, basic wing, $\delta_{\mbox{\bf N}}$ = $0^{\mbox{\bf 0}}$

	Fraction					F	ressure coe	fficient, C	p, at					Fraction	T
	of chord	0.16b/2	0.25b/2	0.40b/	2 0.60b/2	0.75b/		0.16b/2	-	2 0.40b/	2 0.60b/2	0.75b/2	0.95b/2	Fraction of chord	
	1	М		α =	-	δ = 0			= 0.80	α =	2.1	δ = -0.			
Upper surface	-0500 -0000 -0000 -0125 -0250 -0500 -1500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 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076 031 091 095 055	0500 .0000 .00125 .0250 .0250 .0750 .1000 .2200 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .250	Upper surface
Lower surface	.0125 .0250 .0500 .0750 .1000 .2000 .2500 .3500 .4500 .5500 .6000 .6500 .77500 .8000 .8500 .9500 .9500	*141 080 060 039 023 -008 -081 -042 -042 -062 -071 -095 -100 -1130 -142 -120 -069 -022 015	001 021 -011 -011 -016 -032 040 054 091 107 110 111 125 119 125 119 120 087 095 095	030 049 039 050 050 072 087 113 117 121 125 125 125 125 096 118 066 066 048 012	025 070 070 070 079 109 109 113 127 138 127 138 127 138 127 138 103 091 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093	034 057 065 072 083 096 105 105 128 128 136 128 136 129 112 112 072 048 021 .027 .039	004 004] 004] 074 110 103 124 129 121 1140 112 112 112 093 102 074 048	. 258 . 196 . 173 . 136 . 113 . 074 . 039 . 038 . 001 031 034 055 055 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100	. 207 .160 .121 .097 .073 .048 .024 .010 .010 .036 .041 .061 .071 .061 .078 .082 .078 .082 .078 .096	.197 .140 .092 .062 .047 .025 .001 .018 .037 .047 .053 .060 .075 .075 .079 .063 .079 .063 .039 .021 .004	. 235 .168 .114 .081 .059 .022 .017 .023 .037 .056 .056 .072 .072 .072 .072 .072 .073 .056 .061 .079 .061	. 256 . 180 . 126 . 088 . 061 . 033 . 003 . 003 . 008 . 025 . 044 . 057 . 070 . 074 . 074 . 055 . 072 . 074 . 075 . 075	.281 .208 .160 .104 .046 .023 .019 .043 .068 .0981 .081 .081 .084 .069 .081 .046 .029	*0125 *0250 *0250 *0750 *1500 *2500 *2500 *3500 *4500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 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*5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500	Lower surface
	-•0500		0.80	α = 4	.0	δ = 0.0)		E 0.80	$\alpha = 6$	5.0	δ = -0.1		05.00	
Upper surface	-0500 0000 0000 0125 0250 0750 1000 1500 22000 33000 3500 44000 44500 6500 7500 68000 68000 69000 99000 99000 99000 99000 99000 99500 105500	.010 .224 -096 -133 -205 -205 -191 -179 -184 -195 -201 -192 -220 -222 -222 -222 -221 -226 -220 -225 -206 -220 -220 -220 -220 -220 -220 -220	272 270 235 248 243 243 216 221 228 203 172 205 172 106 076	.668683598423396301289249240216212171183111085044003	445 403 372 362 333 320 294 273 249 212 199 164 156 127	.232 851 801 760 729 690 633 542 443 304 260 228 109 152 109 074 050 021 004 024	519710710652609567547547547381325463325325326282282281281281281297281297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297297	-001 213 -234 -270 -345 -3307 -248 -271 -285 -276 -285 -264 -272 -261 -255 -145 -096 -052 -001	584895774630507508414335325321279246234213243213249162102	1599208634795797748611488411285274237237237145125096055010	- 988 - 941 - 930 - 925 - 917 - 880 - 832 - 771 - 712 - 630 - 561 - 462 - 378 - 309 - 222 - 206 - 163 - 155 - 123 - 085 - 095 -	- 088 - 954 - 948 - 948 - 948 - 948 - 945 - 750 - 832 - 716 - 540 - 338 - 259 - 237 - 202 - 188 - 103 - 077 - 051 - 025 - 011		0500 .0000 .0125 .0020 .0250 .05500 .0750 .1000 .1000 .2000 .2000 .2000 .2000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000	Lower surface
Lower surface	.0250 .0550 .0550 .0750 .0750 .1500 .2500 .3500 .4500 .5500 .6000 .6500 .7000 .7500 .8500 .8500 .8500	. 269 . 248 . 203 . 176 . 129 . 109 . 109	.248 .191 .168 .140 .073 .052 .026 -003 -001 -018 -033 -050 -052 -065 -065 -043 -025	. 323 . 255 . 190 . 153 . 139 . 094 . 059 . 032 . 012 005 013 026 . 040 . 040 . 043 . 053 . 040 . 045 . 040 . 045 . 045 . 046 . 046	. 263 . 208 . 169 . 136 . 092 . 082 . 036 . 015 . 007 . 010 . 031 . 038 . 042 . 051 . 044 . 067 . 044 . 067 . 048	.361 .292 .229 .1177 .115 .077 .053 .028 .003 .016 .032 .044 .058 .037 .042	.366 .306 .242 .178 .124 .084 .041 .004 .026 .040 .084 .094 .084 .094 .094 .095 .096 .091 .081 .092 .091 .092 .092 .092 .092 .093	.389 .389 .344 .313 .272 .211 .191 .162 .122 .113 .099 .004 .029 .009 .011 -035 -003 .010 .009 .016	.426 .354 .284 .282 .221 .179 .145 .116 .084 .049 .048 .031 .012 .005 .016 .020 .026 .038 .031 .012 .005	.398 .341 .274 .235 .218 .163 .131 .098 .051 .040 .023 .006 .001 014 005 006 006 006 001 .012	.399 .369 .369 .285 .244 .218 .169 .150 .075 .053 .020 .009 .002 .009 .012 .012 .020 .002 .003 .004	.399 .360 .302 .260 .221 .174 .108 .080 .052 .045 .026 .006 .012 .025 .025 .027 .027 .027 .027 .025	.400 .343 .286 .232 .179 .143 .085 .044 .004 .018 .006 .071 .098 .076 .079 .099 .075 .094 .075	.0125 .0250 .0500 .0750 .1000 .1500 .2000 .2000 .2500 .3000 .3500 .3500 .5500 .5500 .5500 .5500 .7500 .8500 .7500 .8500 .7500 .8500	Upper surface

Table i.- Continued $\label{eq:pressure} \mbox{Pressure coefficients, basic wing, } \delta_{\mbox{N}} = 0^{\mbox{0}}$

\neg	Fraction				*	Pr	essure coe	fficient, Cp	, at					Fraction	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	of chord	
Upper surface	0500 .0000 .0125 .0250 .0500 .1500 .2000 .2500 .3000 .4500 .5500	- 020 • 184 - • 379 - • 438 - • 525 - • 491 - • 452 - • 370 - • 362 - • 390 - • 364 - • 340 - • 340 - • 339 - • 349	0.80 -1.053 -1.209 -1.164 -1.163 -1.213 945 360 366 366 386 326 326 328 328	-1.193 -1.105 -1.089 -1.095 -1.064 -1.079 -1.064 -1.001 866 679 502 311 263 243 209	-1.021 -963 953 956 956 950 960 964 957 998 898 898 898	δ = -0.1 264772759750737718704693665665665	400 392 386 385 379 375 363 353 341 327 301 287 261 2253	M:026 -1305265926906706664944583983953763550331	-1.406 -1.446 -1.442 -1.472 -1.506 -682 -426 -386 -401 -394 -352 -372 -350 -255 -255	α = 10 -1.475 -1.152 -1.156 -1.173 -1.144 -1.156 -1.177 -1.183 -1.163 -1.0959 -708 -4599 -237 -106 -1.03	-1.034 -954 -943 -940 -938 -921 -918 -907 -902 -893 -876 -850 -817 -761	δ = -0. 331603578579575569555547513501514514	-361 -357 -353 -352 -349 -344 -338 -335 -332 -327 -322 -319 -316 -313 -313	0500 0000 0125 0250 0500 0750 11000 22000 22000 33000 3500 4500 4500 5500 6000	Upper surface
	.6000 .6500 .7000 .7500 .8000 .9000 .9500	313 304 286 270 200 150 097 045 003	260 229 260 206 174 134 089 047	216 174 191 132 112 080 043 .003	590 475 362 245 133 036 .042 .053	626 613 582 543 504 464 424	244 236 229 220 220 215 215	305 281 256 197 154 108 055	219244202167141104058	090 105 090 100 096 074 038	662 636 607 578 554 477 446	508 495 483 468 452 435	309 305 303 299 293 288 285	.6500 .7000 .7500 .8000 .8500 .9000 .9500	
Lower surface	.0125 .0255 .0250 .0750 .1090 .1590 .2590 .3590 .3590 .4590 .5590 .6590 .7590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590 .8590	. 443 . 466 . 450 . 416 . 362 . 299 . 277 . 184 . 170 . 161 . 124 . 077 . 076 . 077 . 070 . 070 . 070 . 070 . 071 . 073 . 073 . 074 . 073 . 073 . 073 . 073 . 073 . 074 . 075 . 075 . 075 . 076 . 077 . 078 . 077 . 077 . 078 . 078	. 488 . 438 . 372 . 332 . 291 . 246 . 178 . 140 . 109 . 099 . 055 . 028 . 015 . 020 . 015 . 010 . 023 . 014 . 017	. 444 412 . 354 . 309 . 281 . 227 . 189 . 156 . 125 . 103 . 088 . 071 . 049 . 041 . 015 . 027 . 007 . 019 . 027	. 417 . 407 . 350 . 308 . 228 . 226 . 203 . 152 . 123 . 097 . 088 . 057 . 045 . 016 . 016 . 010 . 017 . 025 . 047	.422 .405 .359 .318 .284 .234 .196 .161 .132 .103 .085 .040 .018 .001 .001 .002 .003 .003 .003 .005	.409 .365 .317 .276 .212 .121 .076 .032 .008 .043 .043 .043 .043 .087 .120 .110 .110 .110 .110 .110	475 541 591 440 366 342 289 233 215 206 169 117 101 101 101 099 056 036 034 034 030 024	.537 .5005 .443 .358 .317 .268 .238 .194 .161 .155 .130 .106 .059 .047 .038 .037 .037	. 459 . 452 . 406 . 340 . 287 . 245 . 206 . 153 . 112 . 086 . 073 . 051 . 022 . 023 . 023 . 021 . 021	. 420 . 435 . 394 . 359 . 278 . 250 . 196 . 167 . 139 . 105 . 095 . 005 . 005 . 001 . 005 . 001 . 005 . 006 . 006	. 422 . 426 . 391 . 353 . 318 . 270 . 227 . 189 . 159 . 124 . 106 . 080 . 049 . 021 . 002 . 018 . 015 . 052 . 079 . 109 . 109	004 064 070 097 124 128 166 163 161 190 195 235	*0125 *0250 *0500 *0750 *1000 *1500 *2000 *2500 *4500 *5500 *6500 *7500 *6500 *7500 *8500 *9500 *9500 *9500 *9500	Lower surface
Upper surface	0500 .0000 .0125 .0250 .0750 .0750 .1500 .2200 .2200 .2200 .3000 .3000 .5000 .5000 .5000 .6000 .7700 .8800 .8800 .9900 .9900	M -043 -057 -670 -771 -870 -8858 -790 -631 -566 -517 -468 -430 -370 -352 -353 -353 -353 -350 -296 -242 -191 -133 -055	- 0.80 -1.592 -1.647 -1.629 -1.700 -1.737 -1.755 -1.400 -590 -3404 -350 -341 -331 -371 -323 -273 -273 -273	α = 1 -1.458 -1.283 -1.290 -1.321 -1.298 -1.332 -1.384 -1.390 -1.352 -1.273 -1.164 -961 -738 -600 -536 -519 -433 -420 -3115 -261 -211 -161 -105	2 • 0 - 777 - 748 - 745 - 759 - 772 - 765 - 794 - 816 - 832 - 827 - 819 - 775 - 746 - 726 - 726 - 730 - 721 - 704 - 720 - 657 - 646	δ = -0. - 464 -631 -632 -636 -636 -635 -641 -641 -641 -653 -559 -554 -559 -554 -555 -544 -555 -514 -525 -514 -575 -486 -471 -476	- 445 - 435 - 431 - 429 - 424 - 424 - 409 - 404 - 400 - 392 - 377 - 369 - 354 - 324 - 312 - 308	M -062 -045 -836 -994 -1.150 -1.052 -971 -799 -684 -603 -484 -427 -465 -540 -3550 -470 -408 -387 -361 -343 -307 -264 -173 -101	-1.692 -1.797 -1.841 -1.904 -1.839 -1.849 -1.936 -453 -463 -453 -483 -311 -359 -331 -311 -269 -2137	α = 1.063	847 839 835 835 835 835 832 795 783 777 754 737 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711 711	6 = -0 -546 -621 -621 -617 -607 -598 -598 -598 -540 -525 -525 -521 -549 -4486 -496	433 431 431 428 428 428 429 420 413 420 413 403 413 403 413 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403 403	0500 .0000 .0125 .0250 .0550 .0750 .1500 .2500 .3500 .4500 .4500 .5500 .5500 .6500 .7500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500	Lower surface
Lower surface	.0125 .0250 .0500 .0750 .1000 .2000 .2000 .3000 .3500 .4500 .5500 .6500 .7500 .8500 .8500 .8500 .7500 .8500	.250 .209 .157 .134 .133 .126 .095 .055 .055 .044 .032	.244 .203 .189 .165 .140 .119 .085 .064 .038 .038 .038	.070 .061 .032 .025 .019 .012	.413 .439 .409 .382 .354 .303 .275 .216 .619 .157 .138 .105 .082 .063 .030 .006 .021 .019 .026 .054 .094	.393 .418 .394 .366 .336 .288 .249 .211 .175 .140 .057 .0057 .000 .001 .003 .009 .099 .099 .124 .135	367 348 225 240 206 1443 098 0045 0061 1092 118 1128 1167 1163	.487 .683 .716.666 .587 .502 .479 .403 .344 .317 .307 .259 .216.6 .1111 .1091 .099 .073 .073 .036 .036 .036	.304 .260 .245 .222 .192 .171 .129 .006 .095 .072 .061	.497 .467 .441 .394 .350 .311 .275 .248 .223 .198 .165 .144 .117 .070 .062 .046	016 053 107	399 373 328 288 256 211 181 152 109 001 001 001 001 001 001 001 001 001	331 331 331 335 335 335 335 327 305 305 305 305 305 305 305 305	.1500 .2900 .2500 .3500 .4000 .4500 .5000 .5500 .6500 .7500 .8500 .7500 .8000 .8500 .9000	Upper surface

TABLE I. - Continued $\label{eq:pressure} \mbox{PRESSURE COEFFICIENTS, BASIC WING, } \ \delta_{\mbox{N}} = 0^{\mbox{0}}$

Г	Fraction		- 7			P	ressure coe	fficient, C	, at			-		Fraction	_
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	of chord	
		М	= .0.80	α = 1	6.5	δ = -0.	4	М	= 0.80	α = 1	8.5	δ = -0.	4		+
Upper surface	-0500 0000 0125 0250 0750 1000 2500 2500 3500 4000 4000 4500 5500 6000 6000 6000 7750 6000 6000 6	085 1400 -1.084 -1.194 -1.295 -1.217 876 664 652 697 595 518 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 472 -	-1.769 -1.821 -1.792 -1.755 -1.729 -1.701 -1.642 -1.411 -1.169983918706605570516485485485481422385348296219	-1.185 -1.188 -1.187 -1.197 -1.196 -1.174 -1.166 -1.173 -1.104 -1.080 -1.024 -986 -945 -879 -830 -775 -879 -782 -723 -723 -576 -628 -577 -523	815812807803799775765751742733727716705705705710714685	625 650 650 645 639 639 632 624 613 605 570 554 570 554 570 554 542 537 520 518	- 481 - 476 - 476 - 477 - 477 - 471 - 499 - 467 - 466 - 462 - 458 - 456 - 456 - 445 - 440 - 442 - 440 - 442 - 441 - 442 - 441 - 441 - 441 - 441 - 441 - 441 - 441 - 441 - 442 - 441 - 442 - 441 - 442 - 441	090223 -1.226 -1.218 -1.250 -1.199 -1.146 -1.025 -896700648610575537537537537537537537537	-1.368 -1.330 -1.323 -1.299 -1.294 -1.280 -1.186 -1.141 -1.073991681749681555540481439365	-1.073 -1.023 -1.023 -1.018995995978977948939988883883793759712713690645	767 759 757 751 749 750 737 726 712 998 689 675 675 672 672 672 682 683	649 648 643 631 631 622 614 610 603 591 587 588 568 564 599 549 549 549 549 549 547	528 528 529 523 521 520 521 510 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 511 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510 510	0500 .0000 .00125 .0250 .0550 .0750 .1000 .2500 .3500 .4500 .5500 .5500 .6500 .7500 .8500 .7500 .8500 .9500 .9500	Upper surface
Lower surface	**125** ***0250** ***0500** ***0500** **1500** **2500** **3500** **3500** **500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **5500** **	.510 .630 .637 .556 .538 .456 .351 .299 .260 .216 .201 .137 .108 .1087 .0087	.577 .603 .569 .535 .485 .485 .399 .351 .308 .294 .262 .227 .202 .163 .137 .122 .096 .073 .033 .031	. 443 . 522 . 522 . 520 . 479 . 432 . 388 . 348 . 309 . 281 . 225 . 191 . 166 . 130 . 119 . 080 . 067 . 045 . 014 090	.379 .449 .458 .444 .425 .384 .355 .302 .270 .237 .213 .175 .148 .117 .080 .045 .004 .007 .007 .027 .027 .027	.343 .410 .421 .411 .388 .346 .308 .270 .234 .202 .168 .141 .103 .066 .027 .006 .043 073 073 073 129	303 313 326 310 262 234 177 130 075 035 -024 -119 -130 -119 -119 -190 -240 -259 -312	.508 .679 .880 .796 .686 .604 .577 .507 .435 .409 .337 .300 .270 .234 .132 .125 .102 .051 .024 	.592 .653 .642 .616 .584 .524 .483 .441 .393 .358 .334 .305 .205 .195 .195 .100 .078 .028 -027	.438 .533 .548 .525 .511 .464 .421 .382 .345 .313 .285 .251 .217 .192 .155 .046 .011 -041 -137	.361 .446 .470 .460 .381 .328 .292 .258 .234 .163 .137 .090 .054 .014 004 025 140 270	*322 *406 *426 *419 *399 *365 *330 *292 *256 *217 *1193 *157 *122 *082 *044 *013 *036 *036 *036 *036 *036 *036 *036 *03	.269 .298 .320 .310 .265 .244 .192 .145 .090 .045 -010 -039 -125 -185 -227 -310 -349 -400	.0125 .0250 .0250 .0750 .0750 .0750 .2000 .2500 .2500 .3500 .4500 .4500 .5500 .4500 .5500 .6500 .7500 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000	Lower surface
Upper surface	.7000 .7500 .8000 .8500 .9000	090 278 920 880 863 863 865 853 829 804 713 697 667 659 679	793 773 761 752 720 704 698 678	800 788 782 774 780 767 750 736	758 752 752 751 754 765 761 739 739 729 723 711 697 708 711 711 712	5 = -0.5 754716702693688690690690671675655651639639639651631616	587 584 578 577 577 577 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565 565								Lower surface
Lower surface	0125 02250 0500 07750 1000 1500 2000 2500 3300 4000 4500 5500 7000 5500 7000 8500 9500 10000	*511 *732 *936 *833 *720 *641 *615 *540 *470 *421 *369 *327 *270 *270 *270 *270 *270 *270 *270 *2		.047 .000 -060	003 - 030 - 081 - 152 -	.171 .131 .090 .052 .024 .031 .072 .092 .133	. 226 . 268 . 309 . 309 . 309 . 305 . 252 . 158 . 158 . 158 . 158 . 009 . 055 . 003 . 080 . 124 . 140 . 200 . 213 . 227 . 285 . 321 . 386								Upper surface

Table I.- Continued $\label{eq:pressure} \mbox{Pressure coefficients, basic wing, } \delta_{\mbox{N}} = 0^{0}$

	Fraction					Pre	essure co	efficient	, c _p ,	, at					Fraction	
	Fraction of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16	b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	of chord	
			0.90	α = 0		δ = . 0 • 0		.0	M =	0.90	α =	2.1	δ = -0.		0500	
Upper surface	0500 .0000 .0125 .0250 .0550 .0750 .1000 .1500 .2000 .2000 .3000 .3000 .4000 .4000 .4500 .5500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500	. 245 .245 .245 .093 .093 .045 .026 .011 .012 .027 .041 .065 .080 .110 .133 .065 .126 .133 .126 .143 .199 .137 .067	.476 -043 -011 -012 -025 -048 -083 -067 -093 -108 -125 -111 -134 -134 -136 -136 -136 -136 -1076 -051	.624 -083 -083 -075 -063 -063 -103 -113 -1146 -158 -164 -155 -164 -135 -1111 -080 -053 -023	.363 -107 -113 -102 -109 -098 -127 -132 -155 -171 -162 -132 -162 -132 -106 -107 -088 -045 -024 -016 -034	.467 -1135 -1236 -1246 -1346 -145 -155 -155 -155 -155 -145 -136 -138 -146 -135 -138 -146 -136 -138 -146 -138 -146 -146 -155 -155 -155 -155 -155 -155 -155 -15	.624 -217 -142 -142 -142 -144 -150 -159 -164 -142 -123 -113 -079 -079 -007 -013 004 007 -079	-00 -00 -00 -00 -01 -01 -01 -01 -01 -01	75 09 55 66 67 70 80 93 93 93 92 82 82 82 83 84 84 84 84 84 84 84 84 84 84 84 84 84	. 415 - 305 - 231 - 138 - 138 - 138 - 138 - 139 - 168 - 185 - 172 - 168 - 207 - 194 - 183 - 185 - 194 - 185 - 194 - 108 - 108	.911 -479 -313 -221 -191 -203 -204 -203 -215 -223 -235 -221 -230 -225 -221 -215 -220 -188 -191 -148 -107 -074 -034	.013 -607 -389 -308 -279 -248 -260 -255 -260 -259 -253 -253 -147 -142 -145 -074 -002	. 456 - 775 - 487 - 378 - 344 - 3303 - 284 - 281 - 275 - 255 - 255 - 255 - 211 - 273 - 163 - 149 - 093 - 0049 - 0040 - 020 - 041	213 -961 -726 -576 -428 -393 -348 -321 -269 -199 -158 -150 -155 -112 -104 -088 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -036 -	.0000 .0125 .0250 .0550 .0750 .1000 .2500 .3500 .4000 .5500 .4000 .5500 .6000 .7500 .8500 .7500 .8500 .7500 .8500 .7500 .8500 .7500 .8500 .7500 .8500 .7500 .8500 .7500 .8500 .7500 .8500 .7500 .8500 .7500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500	Upper surface
Lower surface	0125 0025 00500 0750 1000 1500 2000 3000 3500 4500 4500 6500 77500 8800 9500 1,0000	.166 .108 .092 .0064 .045 .014 -0066 -0220 -0.047 -0.063 -0.047 -1.04 -1.10 -1.118 -1.140 -1.160 -1.41 -0.77 -0.057 -0.027 -0.020	.027 .004 .005 .004 .017 .026 .033 .055 .079 .108 .118 .134 .134 .132 .136 .124 .159 .1144 .107 .049	-022 -037 -030 -041 -047 -069 -084 -103 -119 -131 -131 -142 -149 -150 -121 -150 -121 -084 -055 -022 -017	- 023 - 070 - 074 - 085 - 093 - 115 - 1127 - 1127 - 1161 - 1161 - 1151 - 1161 - 1151 - 1161 - 128 - 129 - 129 - 129 - 127 - 148 - 151 - 163 - 164 - 158 - 1063 - 1064 - 1064	- 033 - 060 - 071 - 075 - 096 - 109 - 1123 - 128 - 1151 - 1152 - 158 - 158 - 158 - 158 - 128 - 1	.030 005 033 079 120 115 148 172 155 135 125 116 089 057 028		250 193 193 1174 1142 107 1069 1039 1001 1001 1001 1001 1001 1001 100	.196 .195 .098 .073 .060 .045 .024 -003 .029 -058 -071 -091 -105 -1100 -126 -120 -085 -068 -090	.189 .124 .079 .050 .041 .012 -016 -039 -059 -072 -080 -091 -116 -115 -093 -120 -098 -064 -045 -014	.206 .133 .078 .052 .028 .010 .017 .060 .079 .092 .096 .113 .1120 .120 .120 .0126 .035 .035	.151 .090 .053 .027 -002 -026 -047 -062 -084 -087 -112 -118 -120 -103 -116 -070	.218 .149 .083 .020 .006 -049 -096 -123 -118 -115 -118 -117 -089 -100 -071 -038	0250 0250 0250 0750 1000 1500 2000 3500 4900 4900 4500 6600 6600 6600 6700 8500 9000 9900 9900	Lower surface
Upper surface	-,0500 .0000 .0125 .0250 .0550 .0750 .1500 .2500 .2500 .33000 .3300 .3300 .5500 .6000 .6000 .7700 .88500 .9000 .95500	.044 .265 -013 -069 -150 -148 -153 -163 -171 -190 -224 -240 -268 -276 -281 -207 -150 -038	= 0.90 .066 795 379 245 233 231 239 214 224 224 2250 263 252 252 253 213 169 119 074 019	α =	- 395 - 844 - 718 - 623 - 561 - 464 - 318 - 366 - 336 - 336 - 318 - 300 - 256 - 221 - 170 - 153 - 075 - 038 - 633 - 633 - 645 - 336 - 336	\$\delta = -0.\$ 296946840710644566505445394350306267231186159108068045015038	612 815 771 726 593 583 527 465 370 333 295 265 247 223 196 167 120 096		030 250 128 188 280 275 2260 227 262 254 275 333 3374 3366 360 278 366 278 366 278 366 378 378 378 378 378 378 378 378 378 378	- 301 - 923 - 669 - 467 - 439 - 315 - 325 - 325 - 310 - 347 - 310 - 348 - 288 - 348 - 228 - 211 - 154 - 101 - 039	.184 -815 -761 -7729 -688 -661 -598 -564 -516 -4873 -477 -423 -421 -384 -377 -311 -307 -192 -106	851 -1.02c 995 955 922 876 756 616 616 616 616 217 217 100 017 020	.025 0 -1.244 2 -1.141 1 -1.117 1 -1.100 -1.090 6 -996 6 -996 2 -869 2 -869 3 -115 6 -122 1 -377 1 -154 6 -996 6 -996 6 -996 6 -996 6 -996 7 -088 7 -088 8 -066 6 -057 9 -033 7 -088 7 -088 8 -066 7 -088 7 -088 8 -066 7 -088 8 -066 7 -088 8 -066 8 -057 9 -088 9 -	619 576 567 557 558 528 528 477 409 477 409 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388 388	.0125 .0250 .05500 .07500 .15000 .15000 .2000 .2500 .35000 .35000 .45000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .350000 .350000 .350000 .350000 .350000 .350000 .350000 .350000 .3500000 .350000 .350000 .350000 .350000 .35000000 .350000000000	Lower surface
Lower surface		. 2900 . 2702 . 2722 . 2722 . 240 . 196 . 108 . 108	.203 .193 .160 .072 .096 .072 .096 .012 .006 .012 .006 .012 .006 .005 .005 .005 .007 .007 .007 .007 .008 .008 .009 .009 .009 .009 .009 .009	.075 .045 .019 .004 023 021 038 043 054 059 044 023 007	.342 .268 .215 .172 .140 .094 .081 .033 .016 .002 .003 .037 .0057 .047 .057 .057 .057 .057 .057 .057 .057	.348 .282 .217 .172 .140 .069 .043 .002 .010 .026 .044 .055 .065 .070 .070 .070 .070 .001	064 036 005		. 404 . 379 . 326 . 228 . 215 . 174 . 126 . 108 . 073 . 012 . 005 . 055 . 015 . 004 . 008 . 014	.360 .293 .257 .234 .187 .154 .125 .991 .005 .035 .003 .003 .003 .003 .003 .003	01 02 01 04 02 01 00 00	2 .34 .37 .38 .22 .39 .39 .39 .39 .39 .39 .39 .39 .39 .39	9 .3449 .28466 .2340 .20011 .1666 4 .1212 .099 .091 .044 .031 .14 .011 .011 .011 .019 .021 .019 .021 .031 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .041 .04	0 .34	3 .0250 7 .0550 7 .0750 9 .1000 2 .1500 0 .2000 7 .3000 9 .4000 4 .4500 1 .5500 4 .4500 1 .6500 4 .7000 1 .6500 8 .8500 0 .8500 0 .9000	Upper surface

TABLE I.- Continued $\label{eq:pressure} \mbox{PRESSURE COEFFICIENTS, BASIC WING, } \ \delta_{\mbox{N}} = 0^{0}$

T	Fraction					Pre	essure co	efficient, C _l	, at					Fraction of	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	chord	_
Opport of the control	0500 .0000 .0125 .0250 .0500 .0750 .1500 .2500 .3000 .3000 .3500 .4500 .5500 .6000 .7500 .6000 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500	.041 .249 -217 -425 -393 -373 -319 -304 -337 -341 -327 -341 -421 -421 -423 -418 -323 -418 -323 -418 -323 -418 -323 -418 -323 -418 -323 -418 -323 -418 -323 -418 -324 -325 -326 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327 -327	0.90612 -1.121947 -859 -786 -4736 -4735 -357 -359 -336 -380 -391 -340 -391 -340 -337	α = 8 536 -1.036 -990 -979 -979 -939 -920 -863 -777 -683 -593 -450 -412 -409 -395 -415 -191 -091 -092 -093 -093 -093 -093 -093 -093 -093 -093	-1.032986986989999995995995995995995724635423423176085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085085	\$\delta = -0.1\$ 161836981877577577677673741668366566262461660958854550857847414411403	459 431 419 416 411 406 399 387 359 342 335 325 319 319 319 319 319 319 319 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329 329	M . 044 . 222 . 314 . 408	- 929 - 929 -1.250 -1.192 -1.193 -1.224 -1.230 -641 -346 -3488 -400 -423 -395 -428 -447 -454 -377 -257 -177 -123 -085 -044	α = 1 -1.054 -1.094 -1.079 -1.094 -1.075 -1.091 -1.103 -1.092 -1.072 -1.072 -1.047 -2.999 -849 -378 -334 -0.48 -0.48 -0.42 -0.42 -0.066 -0.74 -0.56	-1.093 -1.049 -1.046 -1.057 -1.053 -1.053 -1.054 -2.053 -1.054 -2.965 -9.965 -9.965 -9.965 -9.965 -9.965 -9.965 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9.963 -9	δ = -0. -279 -662 -658 -658 -6637 -6629 -698 -596 -595 -595 -596 -598 -596 -598 -596 -598 -596 -598 -596 -598 -596 -598 -596 -598 -598 -598 -598 -598 -598 -598 -598	374374375376379383384384384384384383379376376376376376376376376376	0500 .0000 .0125 .0250 .0250 .0500 .0750 .0500 .0750 .2000 .2000 .2000 .2000 .2000 .2000 .5000 .5000 .5000 .5000 .6000 .6000 .6000 .6000 .6000 .8000 .9000 .9000 .9000 .9000 .9000 .9500	Upper surface
Lower surface	1.0500 .0125 .0250 .0550 .0550 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 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.0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .0750	.006 .466 .479 .470 .425 .373 .314 .299 .242 .193 .181 .174 .131 .083 .069 .065 .029 .001 .006 .026 .025 .014	.510 .450 .384 .348 .314 .266 .227 .158 .124 .115 .089 .063 .023 .015 .007 .007	. 460 . 419 . 358 . 316 . 292 . 238 . 198 . 198 . 100 . 097 . 077 . 054 . 042 . 030 . 000 . 012 . 019 . 023 . 031 . 041	. 425 . 407 . 342 . 302 . 273 . 224 . 201 . 152 . 124 . 009 . 085 . 043 . 031 . 011 . 004 . 002 . 014 . 002 . 039	.422 .396 .350 .311 .274 .225 .284 .153 .123 .098 .077 .006 .032 .010 .010 .010 .040 .040 .040 .040	.409 .369 .278 .218 .121 .069 .019 .019 .017 .0107 .107 .122 .165 .159 .146	\$15.569 \$569 \$569 \$224 \$4666 \$396 \$316 \$257 \$240 \$119 \$140 \$122 \$120 \$177 \$071 \$055 \$047 \$044 \$044 \$044 \$044 \$046 \$046 \$046 \$046 \$046 \$046 \$046 \$046 \$046 \$046 \$046 \$046 \$046 \$046 \$046 \$046 \$046 \$046 \$046 \$046 \$046 \$046 \$046 \$046 \$046 \$046 \$046 \$046 \$046 \$046 \$046 \$046 \$046 \$046 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.4500 .5000 .5500 .6500 .7000 .7500 .8500 .8500	T company
Upper surface	0500 .0000 .0125 .0250 .0500 .0500 .1000 .2000 .3000 .3000 .4000 .5000 .5500 .6000 .7700 .88000 .8500 .9900 .9900	M .035 .160 .423 .536 .660 .626 .533 .492 .496 .467 .487 .480 .487 .492 .495 .496 .447 .492 .496 .447 .492 .492 .496 .492 .496 .492 .492 .492 .492 .492 .492 .492 .492	502 450 308 212 232 233 283 301 286 195	α = 1 -1.246 -1.146 -1.136 -1.163 -1.163 -1.172 -1.187 -1.172 -1.172 -1.172 -1.172 -1.174 -1.032 -838 -572 -207 -117 -204 -258 -419 -429 -299	2.1 -853 -826 -809 -778 -770 -754 -732 -721 -711 -727 -720 -711 -700 -682 -659 -666 -665 -647 -631	5 = -0. -348 -563 -564 -559 -562 -552 -557 -550 -548 -538 -539 -527 -551 -5497 -487	3 460 460 460 459 457 457 457 457 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458	011 06 06 06 06 06 06 06 06 06 06 06 06 06	-1.299 -1.4858 -1.4858 -1.4951 -1.4951 -1.524 -1.507 -1.524 -1.507 -1.112 -601 -3.333 -3.73 -3.484 -5.66 -3.444 -3.66 -3.324 -3.324 -3.324 -3.324 -3.324	-1.243 -1.182 -1.188 -1.147 -1.129 -1.129 -1.132 -1.100 -1.105 -1.105 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1.05 -1	-79; -78; -79; -79; -79; -78; -77; -77; -77; -77; -77; -74; -73; -73; -73; -73; -73; -73; -74; -75; -74; -75; -769; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; -699; 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Lower surface	.0125 .0250 .0500 .0750 .1000 .1500 .2000 .2500 .3500 .4000	5 533 6 646 6 655 6 666 6 6 6 6 6 6 6 6 6 6 6	9 .6010 5740 1 .4000 2 .4400 2 .4000 2 .400	. 465 . 424 . 400 . 347 . 305 . 264 . 231 . 124 . 106 . 178 . 154 . 106 . 033 . 033 . 033 . 036 . 005 . 005	319 292 237 204 174 155 120 095 077 045 016 -016 -016 -045 0-086 -086	.430 .401 .373 .339 .2253 .215 .182 .148 .046 .056 .064 .076 .066 .066 .066 .066 .066 .066 .066	- 211 - 149 - 100 - 042 - 002 - 068 - 088 - 128 - 166 - 162 - 220 - 218 - 245 - 245 - 262	. 23 . 21 . 15 . 18 . 12 . 05 . 06 . 08	3	7 .53. 3 .51. 3 .53. 47. 2 .45. 40. 40. 40. 40. 40. 40. 40. 40. 40. 40	4 4464 4464 4464 4464 4464 4464 4464 4	66 4429 9 441 66 39 9 481 8 37 8 8 67 8 8 67 8 8 67 8 8 68 8 8 7 8 8 8 8 8 8 9 9 9 8 8 8 8 9 9 9 9 8 8 8 8 9 9 9 9 8 8 8 8 9 9 9 9 9	99	1 .0250 0 .0500 7 .0750 6 .1000 11 .2000 15 .2500 7 .3000 0 .3500 0 .22 .4500 0 .3500 0 .4500 0 .6000 0 .6000 0 .8000 0 .8000 0 .8500 0 .850	

TABLE I.- Continued $\label{eq:pressure} \mbox{PRESSURE COEFFICIENTS, BASIC WING, } \ \delta_{\mbox{N}} = 0^0$

Г	Fraction					P	ressure coef	ficient, C	p, at					Fraction	Т
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	of chord	
Г		М	= 0.90	α = 1		δ = -0.			= 0.90	$\alpha = 1$		δ = -0.			T
Upper surface	-0500 0000 0125 0250 0250 0250 0250 1000 1200 2200 2	.010 .004 -3764 -888 -990 -992 -877 -775 -690 -635 -585 -552 -552 -559 -612 -489 -471 -462 -471 -462 -379 -471	-1.369 -1.523 -1.511 -1.520 -1.532 -1.497 -1.590 -886 -665 -665 -665 -619 -583 -509 -517 -538 -509 -517 -538 -509 -517 -538 -509 -517 -538 -509 -517 -538 -509	-1.134 -1.091 -1.083 -1.104 -1.080 -1.952 -1.125 -1.125 -1.125 -1.018 -1.015957895845772707670636	799 796 795 796 802 809 799 796 786 786 756 755 751 692 703 697 703 710 697	- 6695 - 7719 - 7701 - 6690 - 6683 - 6678 - 6655 - 6658 - 6652 - 6648 - 620 - 6012 - 6013 - 5957 - 5957 - 5566 - 5542	-535 -533 -529 -526 -528 -528 -528 -521 -528 -521 -521 -531 -531 -531 -531 -531 -531 -531 -53	.001 -086 -996 -1049 -1095 -1052 -969 -825 -740 -685 -612 -576 -577 -577 -577 -577 -577 -577 -577	-1.293 -1.298 -1.298 -1.298 -1.256 -1.255 -1.170 -1.121 -1.051975 -711 -664 -610590599536517485	-1.012 -1.002 988 988 9962 999 958 952 945 937 905 881 823 782 782 782 782 782 782	790 777 777 771 758 771 752 736 732 719 714 706 691 683 666 667 681	-673 -670 -662 -655 -651 -646 -643 -635 -622 -622 -613 -609 -509 -578 -578 -578	- 565 - 563 - 563 - 559 - 557 - 555 - 555 - 555 - 555 - 551 - 552 - 555 - 553 - 552 - 553 - 553 - 553 - 553 - 553 - 553 - 553 - 553 - 555 - 556 - 556	-0500 .0000 .0125 .0250 .0550 .0750 .1000 .2200 .2200 .2300 .3500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4	Upper surface
Lower surface	0125 0250 0500 0750 1000 1500 2200 3300 3500 4500 6500 7500 8500 8850 9900 1.0000	. 566 . 692 . 850 . 787 . 670 . 596 . 489 . 423 . 393 . 381 . 239 . 261 . 241 . 160 . 131 . 136 . 112 . 066 . 049 - 105	.642 .667 .635 .600 .556 .511 .468 .424 .337 .338 .249 .227 .186 .157 .148 .112 .052 .001	.501 .5550 .5500 .504 .452 .408 .368 .303 .277 .246 .214 .191 .157 .141 .099 .090 .071 .045 .007	.414 .476 .479 .440 .439 .398 .377 .321 .289 .258 .199 .174 .102 .069 .038 .029 .012 .025 .012	.365 .427 .429 .419 .397 .358 .322 .284 .251 .192 .161 .125 .095 .058 .0058 .0011 .029 .011 .029 .011 .029 .031 .031 .031 .031 .031 .031 .031 .031	.312 .326 .341 .327 .279 .260 .203 .158 .103 .054 006 039 084 126 126 133 196 204 213	.569 .736 .927 .844 .728 .623 .545 .477 .448 .430 .383 .339 .286 .269 .209 .201 .170 .166 .088 .059 .088	656 701 683 655 620 568 519 480 432 370 273 228 194 186 150 138 119	. 497 .573 .582 .559 .544 .496 .455 .416 .378 .345 .322 .288 .251 .227 .192 .174 .127 .118 .060 .017 -077	.399 .478 .498 .498 .469 .431 .409 .356 .322 .288 .267 .202 .175 .130 .093 .045 .045 .045 .069	.348 .447 .445 .441 .384 .356 .316 .283 .249 .226 .195 .159 .125 .088 .061 .013 -007 -075 -075 -150	.285 .314 .342 .336 .293 .278 .226 .183 .124 .083 .019 .013 .059 .118 .118 .184 .202	.0125 .0250 .0500 .0750 .0750 .1000 .1500 .2500 .3500 .4500 .4500 .5500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500	Lower surface
Upper surface	.6000 .6500 .7000 .7500 .8000 .8500 .9000	M = -009 -170 -170 -170 -170 -170 -170 -170 -170	- 978 - 976 - 977 - 977 - 967 - 969 - 966 - 955 - 946 - 920 - 881 - 881 - 881 - 881 - 785 - 775 - 775 - 678 - 678	a = 20 - 931 - 913 - 904 - 909 - 893 - 896 - 895 - 896 - 897 - 872 - 872 - 872 - 873 - 887 - 787 - 787 - 786 - 767 - 754 - 741	- 788 - 778 - 778 - 783 - 781 - 788 - 805 - 763 - 760 - 775 - 740 - 779 - 729 - 721 - 702 - 702 - 704 - 716 - 716	ō = -0.6 746720714703704685685685685685686674674666652662	623 624 624 624 624 616 611 600 601 600 600 600 600 600 597 598 598								Lower surface
Lower surface	0125 0250 0250 0500 0750 10500 1500 2500 33500 4000 4500 5500 1000 1000 1000 1000 1	.552 .776 .876 .876 .682 .653 .577 .511 .480 .414 .481 .373 .342 .316 .295 .217 .191 .182 .1587 .087	.655 723 714 .689 .657 .606 .540 .519 .473 .429 .407 .371 .337 .304 .258 .219 .213 .175 .135 .084	. 483 .577 .599 .583 .571 .529 .486 .412 .378 .350 .317 .284 .215 .193 .146 .133 .105 .068 .020 083	010 066	.308 .402 .441 .442 .425 .397 .365 .328 .295 .266 .170 .074 .026 .001 .001 .0026 .057 .072 .153	*242 *301 *328 *331 *293 *284 *329 *293 *284 *035 *194 *095 *-0051 *-0051 *-0051 *-113 *-176 *-1187 *-204 *-240 *-240 *-363							v.	Upper surface

TABLE I. - Continued $\label{eq:pressure}$ PRESSURE COEFFICIENTS, BASIC WING, δ_{N} = 00

T	Fraction					Pr	essure coef	ficient, Cp	, at					Fraction	Г
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	of chord	
	0500 .0000	M =	•493	α = . •631	•390	δ = . 0.0	•672	.049 .257	• 443	α =	•140	δ = -0 e	•236	0500 .0000	
	.0125 .0250 .0500 .0750 .1000	•194 •109 •055 •047 •040 •014	014 .011 .011 005 025 063	066 066 059 050 073	099 108 099 110 099 134	203 141 133 143 150 159	246 191 178 163 162 161	.100 .027 040 040 050 060	277 213 096 099 121 147	314 187 161 174 180	610 358 274 257 230 247	837 476 377 344 330 327	-1.069 -1.016 632 507 446 415	.0125 .0250 .0500 .0750 .1000	
obbot antimo	•2000 •2500 •3000 •3500 •4000	008 022 049 048 070 100	054 080 095 112 109 132	109 131 141 163 156 177	145 167 174 185 187 196	166 176 185 198 204 197	166 196 204 160 134 105	077 094 120 110 140 175	134 151 165 182 177 202	185 201 208 225 217 241	243 261 267 287 294 294	322 322 327 332 329 325	397 398 353 246 175 114	.2000 .2500 .3000 .3500 .4000 .4500	Unner surface
	.5000 .5500 .6000 .7000 .7500 .8000	129 126 164 184 199 230 184	154 152 151 126 192 193 155	182 164 188 185 191 169 103	209 194 190 139 129 094	188 164 126 115 059 031	080 057 059 045 .016 .009	191 195 234 240 262 292 254	218 221 231 194 259 273	257 245 247 243 272 257 194	292 277 288 235 213 156 072	326 319 260 189 082 035 002	064 065 053 009 008	.5500 .6000 .6500 .7000 .7500	The
-	•8500 •9000 •9500 1•0500	-•136 -•093 -•057 •021	102 060 001	054 010 .030	009 .031 .053	.020 .050 .070	.047 .069 .101	216 131 053 002	191 124 042	106 031 .025	019 .028 .052	.026 .052 .066	.024 .046 .076	.8500 .9000 .9500 1.0500	
	.0125 .0250 .0500 .0750 .1000	*186 *138 *116 *090 *066 *033	.049 .024 .024 .017 .000	002 017 011 026 030	014 069 075 087 098 122	036 057 077 083 103	.053 .012 029 082 122 112	.253 .198 .183 .153 .116	.198 .138 .101 .081 .062 .046	•192 •132 •088 •064 •058 •022	.126 .075 .049 .024	•132 •070 •035 •005	.206 .145 .080 .010 001	.0250 .0500 .0750 .1000	
	•2000 •2500 •3000 •3500 •4000	040 010 016 033 045	022 039 063 097 097	079 095 119 131 138 151	119 134 155 165 166 188	139 147 166 177 183 191	141 194 224 196 197 146	.051 .036 .021 .004 012	.024 .003 030 058 060 083	008 034 058 075 080 098	018 059 081 100 108	052 072 088 115 115	108 165 210 250 208	.2000 .2500 .3000 .3500 .4000	
	•5000 •5500 •6000 •6500 •7000 •7500	098 115 126 132 160 191	139 139 153 133 184 198	166 163 178 159 201 170	198 206 217 147 159	190 183 175 138 131	107 091 061 071 036 004	071 080 094 107 140 178	099 110 126 119 166 179	116 122 143 125 152 126	140 148 148 112 146 090	133 139 136 115 130 096	151 104 061 073 044 017	.5000 .5500 .6000 .6500 .7000	
	.8000 .8500 .9000 .9500 1.0000	191 117 080 034 -020	147 103 060 008	106 057 013 .030	059 026 .014 .059	033 .008 .060 .077	.050 .066 .079	179 109 075 037 002	-•131 -•095 -•062 -•023	080 048 013 .025	048 022 .011 .058	056 015 .040 .061	.040 .041 .055	*8000 *8500 *9000 *9500 1*0000	
			0.94	α = 4	• 0	δ = -0 • 1			0.94	α = 6	5 • 0	δ = -0.	2	- 0500	
	0500 .0000 .0125 .0250 .0500	.046 .263 .004 057 140	•130 •-735 338 235 207	•702 -•929 -•573 -•427 -•363	786 605 532	-1.076 975 887	628 -1.301 -1.256 -1.183 -1.099 -1.060	.062 .275 069 136 255 231 215	179 -1.091 620 387 354 342	•227 •702 •678 •646 •598 •559	681 890 844 810 776	*115 -1.230 -1.158 -1.034 981 930	854 828 824 801 775 768	0500 .0000 .0125 .0250 .0500 .0750 .1000	
	*1000 *1500 *2000 *2500 *3000 *3500 *4000	-+137 -+130 145 -+165 190 -+172 -+200	222 232 210 227 230 234 224	346 308 292 288 295 316 304	452 417 394 396 389 395 398	513 477 463 456 457	988 903 725 611 506 409	188 205 228 243 228 260	320 286 297 282 289 280	485 459 442 427 427 382	701 673 661 641 633	888 841 820 784 739 682	757 730 688 653 626	*1500 *2000 *2500 *3000 *3500 *4000	
	.4500 .5000 .5500 .6000 .6500	220 243 251 297 303 324	256 277 282 293 250 309	323 338 329 326 304 352	403 406 387 383 336	460 461 458 425 365 217	304 204 126 095 066 -+035	285 299 309 349 354	313 328 325 334 283 343	390 398 381 386 356	573 545 494 478 419	633 587 530 445 369 263	563 529 504 477 451	.4500 .5000 .5500 .6000 .6500 .7000	
	*7500 *8000 *8500 *9000 *9500 1*0500	342 310 290 218 158 012	323 313 275 206 086	349 321 232 089 001	304 156 082 609	095 024 .021 .049	029 014 011 .004 .027	369 340 331 304 240 033	354 358 343 286 148	393 386 321 168 047	408 233 138 049 017	180 125 081 044 020	400 373 357 337 318	*7500 *8000 *8500 *9000 *9500	
	*0125 *0250 *0500 *0750 *1000	.334 .288 .276 .240 .193	• 339 • 265 • 207 • 191 • 158	•324 •257 •192 •152 •136 •092	*318 *243 *188 *149 *116 *068	•321 •253 •185 •139 •107 •073	• 356 • 294 • 234 • 162 • 103 • 070	. 421 . 398 . 382 . 344 . 298 . 245	• 450 • 378 • 302 • 276 • 249 • 210	.414 .354 .288 .245 .227	.389 .346 .281 .236 .207	• 383 • 333 • 269 • 226 • 192 • 153	.392 .333 .273 .219 .167	.0125 .0250 .0500 .0750 .1000	
	*1500 *2000 *2500 *3000 *3500 *4000 *4500	.155 .143 .112 .077 .062 .050	.121 .094 .065 .036 .002 005 023	.058 .028 .001 017 032 049	.054 .006 020 040 049	.036 .009 012 035 046 061	•016 •036 •097 •155 •223 •236	.232 .188 .146 .130 .119	•173 •139 •103 •069 •063 •043	•139 •105 •075 •054 •039 •019	.132 .078 .054 .033 .023	.113 .083 .058 .029 .016	.066 .023 041 090 156	•2000 •2500 •3000 •3500 •4000	
	.5000 .5500 .6000 .6500 .7000 .7500	018 040 043 062 105 136	046 057 077 077 118 118	069 079 097 084 112 090 066	086 092 098 090 123 077 043	079 087 097 089 110 083 057	259 249 177 108 1063 017	.040 .019 .018 .001 009 071	.017 .001 019 030 056 064 040	007 015 035 029 061 042 028	021 030 046 050 086 050	028 044 056 052 078 066	189 216 216 198 158 119	.5000 .5500 .6000 .6500 .7000 .7500	
	.8500 .9000 .9500 1.0000	074 045 027 019	061 048 024	045 018 .011	023 .004 .039	028 .023 .040	•015 •033 •034	032 018 012 043	026 026 020	021 006 .014	011 .003 .035	038 006 012	115 111 153	.8500 .9000 .9500 1.0000	

Table I.- Continued $\label{eq:pressure} \mbox{Pressure coefficients, basic wing, } \delta_{\mbox{N}} = 0^0$

	Fraction					Pr	essure coeff	ficient, Cr	, at					Fraction	Т
	of chord	0.16b/2	0.25b/2	0.40b/2	2 0.60b/2	0.75b/2		0.16b/2	_	0.40b/2	0 601-/2	0.755/2	0.0Eb/0	of	
		0.100/2	D.23B/ Z	0.400/2	2 0.606/2	0.756/2	0.956/2	0.166/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	chord	_
		M =	= 0.94	α =	8.0	δ = -0.2	2		= 0 • 9 4	α = 1	0.0	δ = -0.	2		
	0500 .0000	•052 •265	493	446	963	096	719	.069 .245	792	-, 879	-1.034	313	500	0500 .0000	
	•0125 •0250	-•163 -•249	-1.148 885	-1.014 940	965	-1.056 -1.024	622 599	253 356	-1.193 -1.132	-1.029 -1.003	989 986	900 876	483 471	.0125 .0250	
	•0500 •0750	385 349	721 668	926 898	970 968	-1.008 991	588 576	490 470	-1.129 -1.127	-1.014 992	987 992	849 825	465 459	.0500 .0750	
	•1000	333	668 505	900 873	-•953 -•927	979	568	440	-1.127	-1.005	992	814	453	.1000	
a.	•1500 •2000	-•285 -•278	355	807	896	-•972 -•951	564 553	378 358	638 339	-1.007 993	-1.002 -1.006	784 764	448 441	•1500 •2000	
surface	•2500 •3000	323 313	359 350	718 625	882 867	926 897	539 530	372 364	362 377	964 936	-1.019 -1.020	742 727	435 428	•2500 •3000	surface
sur	• 3500	303	363	532	859	854	516	366	400	900	-1.022	712	423	•3500	sur
Upper	•4000 •4500	-•315 -•340	326 364	412 394	-•833 -•811	815 772	500 484	380 390	372 407	783 651	-1.006 985	697 682	417 412	•4000 •4500	er
Up	•5000 •5500	352 372	382 380	397 395	-•783 -•734	730 684	-• 465 -• 450	392 420	427 428	503 395	950 903	656 629	408	•5000 •5500	Upper
	•6000 •6500	-•412 -•408	402 350	410 389	676 624	633 587	435 423	457 449	448	403 385	831	607	404	.6000	
	•7000	420	407	419	607	532	409	462	446	430	796 749	576	400 398	•6500 •7000	
	.7500 .8000	-•430 -•409	421 422	432 432	562 381	482 440	-•391 -•382	472 449	458 465	442	709 630	555 532	395 391	•7500 •8000	
	.8500 .9000	-•401 -•372	397 343	402 211	302 183	396 358	373 362	440 411	424 328	334 081	589 486	502 482	389 384	.8500 .9000	
	.9500 1.0500	-•297 -•072	199	033	141	342	352	334 069	186	•017	438	488	383	.9500 1.0500	
	•0125 •0250	• 476 • 485	•514 •456	•463 •421	•421 •399	•408 •375	• 400 • 353	• 526 • 576	•580 •536	•505 •478	• 446 • 442	• 424 • 418	•401 •365	.0125 .0250	
	.0500 .0750	• 476 • 433	•389 •350	•355 •313	• 326 • 285	•324 •284	•304 •262	.578 .535	• 473 • 429	•425 •382	•388 •351	• 374 • 343	•334 •300	.0500 .0750	
	•1000 •1500	• 375	.316	.294	• 256	.247	•198	.469	• 387	.354	•322	.308	.239	.1000	
	•2000	•316 •303	•267 •229	•237 •191	•209 •183	•198 •160	.166 .109	.405 .384	• 342 • 297	•302 •257	•273 •247	• 258 • 220	.208 .148	•1500 •2000	
9	•2500 •3000	• 252 • 194	•196 •159	•156 •125	•132 •104	•125 •100	•057 -•004	.321	• 264 • 223	•220 •187	•193 •165	•184 •153	.099	.2500 .3000	
surface	•3500 •4000	•180 •171	•122	.103	.076 .062	.070	048	.247	•183	.161	.139	.125	004	• 3500	ace
sur	•4500	.129	•111 •083	.085 .062	.033	.052 .028	114 130	.235 .190	•172 •148	•142 •119	•122 •090	.105 .081	066	.4000 .4500	surface
	•5000 •5500	.078	.058 .043	.036 .020	.016	016	156 194	•139 •119	•117 •103	.092	.072 .056	.052 .031	117 166	•5000 •5500	r s
Lower	.6000 .6500	.061	.016 .002	.002	016 032	033	195	.117	.070	.052	.028	.008	156	.6000	Lower
^ I	•7000	•056 •016	017	035	062	040	206 199	•114 •090	.049	.052 .018	.009 014	001 031	188 190	•6500 •7000	ŭ
- 1	•7500 •8000	025 037	028 013	017 013	032 015	064	188	.038	.023 .032	.026 .026	.009	035 041	196	.7500 .8000	1
	.8500	002	005	009	010	063	190	.033	.034	.024	.016	056	210	.8500	
	.9000 .9500	002 009	014 021	002 .008	001 .017	054 109	196 242	.032 .021	001	•024 •033	.014	059 121	222 270	9000	
-	1.0000	-•075 M =	= 0.94	α = 12	2.0	δ = -0.2		-•078 M =	= 0.94	α = 14	4.6	δ = -0.4		1.0000	
	0500	•059						.056						0500	
	.0000 .0125	354	-1.265	-1.086	-1.095 -1.060	449 764	396 396		-1.149 -1.327	-1.204 -1.114	758 745	497 632	551 551	.0000 .0125	
	.0250 .0500	480	-1.220	-1.071	-1.059 -1.059	755 747	-• 396 -• 399	641	-1.315	-1.102 -1.140	735 725	632 635	546	.0250 .0500	
	•0750	-+594	-1.228	-1.079	-1.064	735	404	733	-1.372	-1.138	723	631	544	.0750	
	•1000 •1500	491	-1.142	-1.107 -1.121	-1.063 -1.078	729 713	408 418	599	-1.408	-1.168 -1.220	717 736	632 635	544	•1000 •1500	
surface	•2000 •2500	-• 452 -• 452	552	-1.122	-1.088 -1.107	700 684	423 429	544 522	-1.076	-1.237 -1.227	756 776	635 635	544	•2000 •2500	ce
sur	•3000	427	421	-1.111	-1.107	667	434	486	506	-1.176	777	633	544 542	•3000	surface
	•3500 •4000	-• 434 -• 440	430	-1.062	-1.094 -1.056	648	440	499 520	511	-1.082 -1.045	780 776	630 630	544 546	•3500 •4000	
Upper	•4500 •5000	-+ 450 -+ 458	461 487	980 808	-1.003 948	610	444	510 512	512 525	969 891	772 765	628 624	546 546	• 4500 • 5000	Lower
	•5500	-• 489 -• 522	492	537	882 786	595 594	449	546	475 389	755	752	620	546	•5500	ñ
	•6000 •6500	516	509 467	453 419	758	597	449	538 476	326	662	729 729	616 612	545 542	.6000 .6500	
	•7000 •7500	521 525	512 511	445 338	-•762 -•721	585 578	448 446	400 363	359 371	641 631	733 731	604	541 539	•7000 •7500	
	.8000 .8500	501 448	478 359	159 025	664 633	571 555	445	351 382	434	581 545	732 747	596 584	536 528	.8000 .8500	
	.9000	320	229	005	628 628	542	440	344	447	498	731	572	525	•9000	
_	.9500 1.0500	-•220 -•072	122	010		549	440	269 171	336	406	728	578	518	•9500 1•0500	
	.0125 .0250 .0500	•553 •650 •663	•617 •588 •526	•518 •515 •473	• 444 • 460 • 424	•420 •433 •407	•390 •370 •348	•574 •741 •769	•654 •652 •606	•529 •557 •529	• 447 • 483	• 409 • 444	•353 •351	•0125 •0250	
	•0750	•614	.486	•430	•389	.379	• 315	•719	• 564	• 495	• 465 • 440	• 432 • 411	•350 •330	.0500 .0750	
	•1000 •1500	•539 •464	• 442 • 394	.407 .353	• 367 • 320	•347 •300	• 257 • 232	.631 .551	•523 •468	•472 •422	•415 •367	• 382 • 340	.276 .254	•1000 •1500	
	•2000 •2500	• 441	• 344 • 311	•309 •272	•294 •237	•267 •227	•173 •126	• 524	• 426 • 388	•379	•342	•300	.196	•2000	
eo.	•3000	•313	.266	•236	•211	.192	.069	.384	• 343	.304	•288 •253	• 262 • 229	•152 •095	•2500 •3000	9
surface	+3500 +4000	•291 •278	.230 .215	•209 •190	•180 •161	•162 •139	•025 -•041	• 363 • 349	• 304 • 287	•273 •251	•224 •204	• 196 • 172	.046 017	•3500 •4000	surface
	+4500 +5000	•234 •182	•187 •157	•160 •131	•129 •108	.114	063 103	• 304 • 257	• 254	.220	.168	.144	048	• 45 00	
Lower	+5500	.164	.140	.115	.090	.055	156	.235	.199	•192 •167	•144 •120	•110 •081	096 148	•5000 •5500	Upper
ĭ	+6000 +6500	•154 •150	•101 •080	.091 .090	.059 .033	.015	-•143 -•186	•220 •203	•159 •133	•138 •127	.085 .051	.051 .031	139 194	•6000 •6500	Up
	•7000 •7500	•110 •066	.072 .057	.047	.009	024	196 208	•144 •114	•125 •098	.080	.018 .018	011 020	205 215	.7000	
	*8000	•072	• 054	.052	.018	042		.118	.094	.068	.009	036		•7500 •8000	
	48500	.048	.055	.043			220	•102	.079	•046	020	059	220	· 8500	
	49000	•044	.035	.033			241	.063	• 052	.018	062	065	260	•9000	
	.9000 .9500	•044 •036 -•054	.035	•033			293	.049	.007	049	023	130	312	•9000 •9500 •0000	

TABLE I. - Continued $\label{eq:pressure} \mbox{PRESSURE COEFFICIENTS, BASIC WING, } \ \delta_{\mbox{\bf N}} = 0^{\mbox{\scriptsize 0}}$

	Fraction					Pr	essure coe	fficient, C _I	p, at				- 1	Fraction	Г
	of chord	0.16b/2	2 0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	of chord	
		М	= 0.94	α = 16	•7	δ = -0.6		м	= 0.94	α = 1	8 • 8	δ = -0.	6		
Upper surface	0500 .0000 .0125 .0250 .0550 .0750 .0750 .0750 .1000 .2000 .2500 .3500 .3500 .4500 .4500 .4500 .4500 .6500 .7500 .8000 .8000 .9500 .9500	.052 .047 -658 -783 -885 -792 -790 -628 -581 -557 -559 -582 -519 -455 -484 -571 -571 -573 -571 -573 -571 -573 -571 -573 -571 -573 -571 -573 -571 -573 -571 -573 -571 -573 -571 -573 -571 -573 -574 -574 -574 -574 -574 -574 -574 -574	-1.237 -1.411 -1.401 -1.413 -1.432 -1.492 -1.498 -1.346 -924 -667 -591 -5247 -411 -538 -564 -608 -628 -599 -535 -460	-1.204 -1.170 -1.158 -1.195 -1.174 -1.184 -1.190 -1.163 -1.094 -1.037 -1.010 -973 -1.010 -973 -970 -973 -975 -754 -772 -663 -635 -586	- 80 3 - 80 2 - 80 2 - 80 2 - 81 3 - 82 1 - 82 9 - 82 9 - 82 9 - 77 9 - 77 9 - 77 9 - 77 9 - 77 9 - 77 9 - 79 3 - 78 7 - 79 3 - 78 7	625 700 700 701 701 701 717 729 729 729 719 710 701 681 651 651 651 624 624	605 602 600 599 595 593 581 588 585 583 583 583 583 574 571 563 552 552 547	. 051 -025 -879 -938 -1.030 -978 -8977 -8977 -625 -522 -575 -562 -574 -574 -575 -582 -575 -575 -575 -575 -575 -575 -575 -57	-1.278 -1.396 -1.396 -1.386 -1.386 -1.358 -1.368 -1.360898736658658654637866598598598598	-1.176 -1.150 -1.139 -1.161 -1.131 -1.142 -1.156 -1.130 -1.096 -1.076 -1.005976976976877847827754730697	830828828828828828835829819818808808786786786786786786	764 779 774 776 774 776 774 773 725 711 774 576 889 689 689 688 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658	-618 -615 -613 -611 -609 -606 -604 -601 -599 -598 -595 -595 -595 -592 -591 -588 -585 -587	0500 .0000 .0000 .0750 .0750 .0750 .11000 .2500 .3500 .4000 .5500 .5500 .5500 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .700	Upper surface
Lower surface	0125 0250 0750 10500 1500 2500 3500 4500 4500 5500 66500 77500 8500 8500 8500 900 9000	.590 .726 .868 .790 .688 .609 .578 .506 .438 .411 .397 .346 .303 .278 .226 .246 .195 .143 .152 .130 .081 .059	.674 .689 .6554 .615 .575 .534 .402 .400 .353 .337 .201 .221 .241 .241 .251 .122 .127 .114 .074	.529 .580 .567 .538 .521 .475 .425 .384 .350 .295 .266 .232 .207 .175 .161 .1109 .090 .064 .032 053	.433 .490 .489 .469 .449 .406 .381 .330 .298 .267 .245 .205 .182 .118 .082 .051 .047 .033 003 003 003	.385 .440 .443 .431 .408 .368 .332 .295 .229 .205 .175 .141 .019 .057 .015 .003 .045 .045 .045	.325 .338 .336 .344 .298 .279 .225 .185 .018 .017 .006 .115 .116 .176 .199 .235 .255 .315	. 591 . 763 . 946 . 887 . 753 . 669 . 499 . 470 . 495 . 499 . 470 . 495 . 499 . 470 . 196 . 196 . 196 . 196 . 196 . 196 . 196 . 197 . 112 . 112 . 128	684 729 704 681 692 591 547 505 460 417 396 363 327 327 327 217 179 169 150 112	.522 .596 .602 .579 .567 .519 .478 .438 .430 .370 .343 .311 .279 .252 .221 .152 .148 .125 .058 .058	. 422 . 495 . 513 . 502 . 485 . 447 . 425 . 374 . 343 . 310 . 226 . 221 . 160 . 121 . 090 . 080 . 027 - 021 - 056	350 439 458 453 436 404 372 2335 3012 221 184 118 095 005 012 015 -028 -101	-296 -328 -361 -356 -317 -305 -254 -117 -057 -076 -083 -150 -165 -177 -210 -245 -306	.0125 .0250 .0550 .0750 .0750 .1000 .1500 .2200 .2500 .3500 .4500 .4500 .5500 .6500 .7500 .6500 .7500 .8000 .9000 .9000 .9500	Lower surface
			= 0.94	$\alpha = 20$	• 9	δ = -0.7								1	Г
Upper surface	.0250 .05500 .07500 .1500 .1500 .25000 .25000 .35000 .45000 .55000 .65000 .67500 .75000 .85000 .95000 .95000	*039 -095 -1.070 -1.073 -1.080 -1.050 -1.050 -1.010 -898 -777 -670 -630 -630 -626 -630 -625 -604 -601 -601 -601 -601 -601 -601 -601 -601	-1.197 -1.197 -1.192 -1.184 -1.180 -1.167	-1.054 -1.045 -1.049 -1.032 -1.003 -1.013 -1.003 -1.003 -1.003 -1.003 -995 -982 -989 -987 -988 -989 -889 -889 -889 -889	822 813 809 803 796 792 783 767 775 797 805 812 818	803 801 777 754 754 751 750 740 735 740 735 725 725 712 702 692 685 685 685 685 662	647 647 645 646 646 646 635 636 636 627 627 627 627 627 624 621 618 618 618 618 618 618 610								Lower surface
Lower surface	***O125** ****O250** ****O500** ****O500** ***O500** ***	*583 *807 1.006 910 797 *718 *690 *551 *518 *501 *452 *382 *382 *340 *258 *225 *205 *205 *208 *208 *208 *208 *208 *208 *208 *208	.687 .750 .744 .722 .688 .641 .591 .554 .504 .440 .373 .341 .295 .258 .213 .213 .132 .066	.511 .605 .628 .612 .602 .558 .519 .480 .443 .411 .385 .334 .319 .291 .255 .183 .176 .115 .074	. 492 . 523 . 511 . 479 . 457 . 407 . 374 . 324 . 283 . 229 . 289 . 229 . 188 . 1148 . 1103 . 084 . 004	.429 .467 .472 .458 .428 .401 .368 .332 .282 .251 .212 .180 .063 .036 .007 .008	*267 *369 *364 *331 *3364 *331 *324 *280 *2241 *280 *241 *380 *051 *001 *001 *001 *001 *001 *001 *00			1 1		8			Upper surface

	Fraction						essure coe			N - 0°		-		Enoctics	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	Fraction of chord	
		M =			0.3	δ = . 0 • 0		1	0.98		2.1	δ = -0,			П
Upper surface	-0500 -0000 -0000 -0000 -0000 -0000 -0500 -07500 -1500 -2500 -3500 -3500 -3500 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000 -5000	.101 .290 .221 .100 .090 .077 .043 .026 .015 -016 -017 -085 -096 -104 -1162 -1162 -124 -224 -23 -124 -159 -128 -159	.530 .022 .049 .047 .034 .013 .026 .026 .026 .082 .105 .126 .133 .113 .173 .174 .194 .194 .194 .193 .194	.628 -031 -034 -023 -017 -039 -061 -080 -112 -138 -130 -156 -175 -171 -173 -179 -201 -232 -210 -195 -168 -080	.412 -072 -085 -074 -087 -077 -114 -124 -153 -165 -205 -205 -205 -203 -223 -234 -224 -229 -103 -022	.477 -179 -1149 -1141 -1134 -1166 -179 -192 -204 -215 -229 -270 -270 -261 -261 -261 -261 -270 -270 -270 -270 -270 -270 -270 -270	.635 -268 -244 -231 -218 -220 -220 -263 -303 -334 -334 -322 -338 -34 -322 -338 -34 -322 -338 -34 -322 -338 -34 -322 -34 -363 -216 -218 -322 -322 -322 -322 -322 -322 -322 -32	.109 .298 .161 .088 .035 .020 .016 .002 .022 .035 .065 .056 .075 .105 .138 .146 .208 .233 .250 .229 .213 .166 .205	-504 -206 -139 -071 -037 -059 -083 -076 -109 -118 -147 -163 -17 -152 -208 -221 -221 -221 -221 -221 -221	947 369 267 142 117 126 128 139 152 165 186 177 219 218 206 234 234 234 234 234	. 198 - 527 - 321 - 230 - 216 - 190 - 208 - 225 - 255 - 256 - 267 - 273 - 273 - 254 - 245 - 245 - 245 - 245 - 245 - 245	. 474 - 734 - 732 - 324 - 294 - 285 - 281 - 277 - 274 - 388 - 339 - 3318 - 330 - 3305 - 305 - 305 - 305 - 305 - 305	.36C 946 898 641 404 387 378 371 377 411 378 390 401 373 393 401 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 373 -	- 0500	Upper surface
Lower surface	.0125 .0250 .0500 .0750 .1000 .2500 .3500 .4500 .5500 .6500 .7750 .8000 .8500 .9500 .9500 .9500 .9500	-224 -173 -158 -129 -096 -061 -022 -015 -002 -015 003 108 120 150 179 169 159 159 159 159 159 159 169 159 137 069	.086 .061 .059 .051 .032 .027 .011 -006 -030 .072 -072 -072 -118 -126 -143 -125 -165 -209 -181 -163 -129	.034 .017 .023 .007 .005 .028 .049 .070 .070 .086 .102 .119 .132 .153 .160 .164 .207 .228 .201 .166 .166 .177	.010 044 049 063 073 101 117 1187 153 164 236 204 236 209 258 254 218 218	- 028 - 028 - 046 - 071 - 080 - 102 - 123 - 114 - 151 - 177 - 213 - 239 - 229 - 229 - 270 - 270	.006 .005 .005 .0114 .154 .154 .159 .222 .272 .287 .324 .324 .332 .364 .374 .408 .333 .342	.305 .253 .237 .213 .169 .138 .092 .086 .024 .006 .021 .035 .053 .069 .105 .105 .140 .172 .121 .121 .121	251 191 156 132 115 104 074 0053 020 -011 -015 -047 -067 -093 -072 -123 -172 -126 -126 -126	229 167 125 100 096 056 027 000 -021 -043 -050 -070 -092 -113 -108 -176 -148 -135 -112 -065	.227 .148 .098 .080 .046 .016 .011 -038 -066 -080 -112 -132 -154 -190 -161 -224 -231 -188 -162 -080	. 212 . 143 . 095 . 046 . 021 . 030 . 061 . 125 . 152 . 183 . 198 . 213 . 224 . 227 . 129 . 190 . 209	.250 .181 .119 .000 .020 .029 .074 .132 .178 .233 .294 .334 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348 .348	.0125 .0250 .0550 .0750 .1000 .1500 .2000 .2000 .2000 .3500 .4500 .5500 .6000 .5500 .7000 .5500 .6000 .5500 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000 .7000	Lower surface
Upper surface	-0500 .0000 .0125 .0250 .0550 .0750 .1500 .2500 .2500 .3500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500	.094 .291 .068 .000 .045 .076 .076 .070 .090 .106 .134 .122 .140 .170 .170 .201 .201 .201 .254 .274 .274 .274 .274 .274 .276 .276 .276 .276 .276 .276 .276 .276	0.98 .218 .615 .282 .155 .151 .158 .174 .156 .177 .224 .227 .224 .227 .224 .227 .225 .256 .278 .2658 .183	α = 4 - 775 - 893 - 536 - 330 - 275 - 270 - 249 - 232 - 235 - 237 - 248 - 283 - 285 - 288 - 287 - 302 - 297 - 126	183 -1.033969 -4524 -400 -3339 -325 -3315 -315 -315 -327 -3343 -3531 -341 -3390 -302 -302 -316	-1,0189 -1015 -925 -592 -365 -361 -376 -376 -376 -376 -376 -376 -376 -376	-1.256 -1.204 -1.181 -1.119 -1.055 -990 -791 -523 -791 -523 -375 -412 -412 -415 -446 -419 -402 -345 -220 -081 -005	.106 .309 -012 -077 -155 -163 -159 -151 -173 -180 -200 -225 -244 -301 -301 -300 -300 -300 -301 -301 -301	- 0.98 - 0.74 - 997 - 613 - 296 - 277 - 267 - 225 - 2245 - 2245 - 234 - 244 - 284 - 284 - 282 - 282 - 302 - 251 - 313 - 313 - 316 - 319 - 327	α = 6 - 336 - 616 - 607 - 574 - 524 - 491 - 422 - 389 - 377 - 366 - 367 - 332 - 343 - 353 - 344 - 352 - 319 - 353 - 344 - 352 - 319 - 353 - 344 - 352 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 319 - 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Lower surface	.0125 .0250 .0250 .0750 .1000 .2500 .2500 .3500 .3500 .4500 .5500 .6500 .7500 .8000 .8000 .8000 .9500	.371 .371 .316 .281 .236 .194 .179 .147 .109 .010 .092 .010 .010 .011 .014 .034 .034 .034 .034 .034 .034 .034 .03	.376 .302 .245 .227 .199 .163 .131 .104 .071 .036 .026 .004 -020 .030 -051 -105 -105 -095 -095 -095 -095 -095	. 357 . 289 . 225 . 187 . 177 . 130 . 096 . 061 . 034 . 016 . 002 . 020 . 042 . 055 . 081 . 140 . 123 . 101 . 090 . 075 . 049	.345 .265 .212 .173 .139 .091 .077 .007 006 039 074 093 .116 115 115 158 .120 094 094 094	.329 .257 .189 .142 .111 .075 .037 .002 .023 .054 .074 .127 .165 .183 .133 .105 .074 .127 .165 .183 .105 .074 .074 .074 .074 .074 .074 .074 .074	.345 .281 .227 .149 .085 .071 .013 .037 .099 .159 .229 .229 .324 .332 .332 .332 .310 .291	. 445 . 424 . 415 . 380 . 324 . 275 . 260 . 210 . 169 . 159 . 151 . 043 . 038 . 018 . 010 . 065 . 088 . 032 . 032 . 038	.476 .404 .335 .339 .277 .235 .198 .167 .132 .097 .085 .060 .039 .024 .007 .018 .056 .071 .045 .071 .085 .097	.437 .377 .312 .269 .252 .197 .125 .073 .059 .032 .001 .035 .035 .035 .035 .035 .036 .036 .038 .038 .049 .049	. 405 .353 .290 .250 .216 .164 .141 .090 .059 .021 .021 .022 .023 .053 .053 .107 .069 .004	. 385 . 329 . 266 . 218 . 184 . 146 . 107 . 071 . 088 . 018 . 003 . 019 . 005 . 005 . 007 . 007	.993 .331 .273 .212 .160 .123 .073 .029 .031 .089 .165 .192 .226 .226 .226 .229 .229 .231 .294 .294	.0125 .0250 .0550 .0750 .1750 .1500 .2500 .2500 .2500 .3500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500	Upper surface

TABLE I. - Continued $\label{eq:pressure} \mbox{PRESSURE COEFFICIENTS, BASIC WING, } \delta_{\mbox{N}} = 0^{0}$

	Fraction					Pi	ressure coe	fficient, C	o, at					Fraction	T
	chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/	2 0.60b/2	0.75b/2	0.95b/2	of chord	1
		М	= 0498	α =	8.0	δ = -0•	3	М	= 0.98	α =		δ = -0			+
Upper surface	-0500 -0000 -0125 -02500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500 -0500	.094 .300 -102 -181 -299 -289 -271 -265 -272 -218 -271 -265 -325 -328 -368 -369 -377 -387 -371 -368 -375 -140	- 375 -1 073 - 818 - 523 - 515 - 511 - 446 - 338 - 320 - 318 - 263 - 320 - 344 - 338 - 364 - 349 - 347 - 377 - 377 - 377 - 377 - 377 - 377	- 298 - 979 - 858 - 834 - 814 - 816 - 7711 - 618 - 524 - 457 - 357 - 354 - 366 - 374 - 366 - 374 - 377 - 357 - 357	- 824 - 998 - 993 - 887 - 887 - 889 - 818 - 805 - 773 - 773 - 772 - 702 - 660 - 618 - 578 - 518 - 518	.004 -1.169 -1.083 -1.003 -1.0023 -1.0023 -1.0023 -1.0023 -1.0023 -910 -928 -910 -876 -760 -710 -649 -596 -429 -368 -191 -168	-1,009 -972 -963 -949 -935 -913 -926 -913 -824 -825 -825 -825 -825 -825 -825 -825 -825	.104 .281 .183 .281 .390 .385 .322 .299 .314 .305 .310 .330 .339 .371 .407 .401 .421 .406 .403 .383 .383 .383 .393 .393 .393 .394	- 654 -1.102 -1.049 -1.027 -1.016 -1.005 -533 -272 -349 -324 -356 -374 -377 -356 -390 -345 -390 -390 -390 -390 -390 -390 -390 -390	-783 -953 -915 -923 -899 -917 -907 -917 -902 -874 -810 -810 -337 -337 -338 -370 -393 -401 -413 -400 -292	- 9/61 - 899 - 899 - 8902 - 8907 - 8901 - 8908 - 9005 - 8908 - 8008 - 80	- 200 - 964 - 935 - 916 - 919 - 919 - 919 - 918 - 914 - 910 - 898 - 856 - 729 - 756 - 729 - 663 - 662 - 552	691 673 671 669 665 657 653 659 641 632 621 590 576 550 551 513 550 550 490	-0500 0002 0125 0250 0500 0750 1000 2500 3500 4900 4500 4900 6600 6600 6500 7000 7000 7500 9000 9000 9000	
LOWEL BUILDING	0125 0250 00500 0750 11000 22000 22000 33000 44500 45500 66500 7600 7600 88500 99500	.505 .507 .498 .459 .342 .321 .274 .218 .204 .193 .146 .096 .085 .077 .072 .029 .018 .018 .001 .019 .019 .019 .019 .019 .019 .019	.537 .476 .404 .369 .337 .291 .251 .171 .141 .127 .103 .075 .062 .024 .014 .014 .027 .038	*480 *437 370 330 309 252 211 1173 141 117 098 000 0031 005 008 0042 018 022 018 022 018 025 031 031 031 031 031 031 031 031	.434 .412 .335 .293 .295 .215 .193 .139 .106 .081 .065 .033 .014 .065 .033 .014 .091 .098 .098 .098 .098 .098 .098 .098 .098	.416 .377 .323 .285 .248 .195 .158 .121 .094 .065 .020 -010 -027 -047 -079 -082 -082 -097	.400 .344 .300 .259 .195 .168 .110 .063 .110 .053 .156 .123 .123 .124 .226 .226 .226 .273 .273	.558 .599 .600 .556 .493 .428 .404 .345 .290 .269 .259 .209 .161 .147 .133 .100 .050 .039 .046 .025 .122	.603 .558 .495 .452 .410 .364 .317 .283 .247 .206 .194 .118 .062 .048 .032 .040 .032 .040	.528 .501 .445 .402 .373 .318 .274 .176 .158 .131 .105 .062 .063 .009 .028 .024 .011 .001	. 464 . 454 . 400 . 360 . 330 . 277 . 253 . 198 . 169 . 090 . 072 . 028 . 022 . 022 . 037 . 011 . 001 . 005	. 439 . 420 . 376 . 343 . 307 . 258 . 216 . 182 . 123 . 100 . 074 . 046 . 023 . 001 . 036 . 033 . 030 . 038 . 038 . 038 . 038	.410 .375 .338 .304 .244 .218 .160 .114 .053 .004 .128 .174 .202 .229 .214 .222	.0125 .0250 .0250 .0500 .0500 .1000 .1500 .2500 .3000 .4000 .4500 .5500 .6500 .7000 .7500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500	acefrus rewo.T
	.7500 .8000 .8500 .9000 .9500	.115 .228 .263 .377 .505 .499 .462 .407 .372 .372 .352 .364 .375 .385 .390 .418 .452 .449 .451 .455 .455 .451 .455 .451	854 -1.137 -1.097 -1.092 -1.097 -1.092 992 464 354 352 379 361 393 418 423 423 429 447 450 470 463	- 976 - 993 - 975 - 992 - 976 -1 001 -1 018 -1 007 -1 102 -1 000 - 955 - 728 - 728 - 469 - 375 - 408 - 408 - 424 - 429 - 439	997 953 955 956 960 970 981 981 002 1004 1001 959 959 959 959 959 998 998	- 411 - 985 - 963 - 963 - 964 - 973 - 974 - 974 - 974 - 975 - 923 - 886 - 834 - 834 - 819 - 738 - 709 - 765	664 657 651 650 650 644 643 633 633 624 621 621 621 597 552 540 597 552 540 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592 592	.106 .152 -396 545 690 640 529 480 464 427 444 450 445 461 499 522 516 516 516 512	-1.218 -1.210 -1.223 -1.257 -1.256 -1.281 -1.018 536 439 462 455 458	683 515 495 464 472 473 474	-1.036 -1.014 -1.013 -1.009 -1.014	δ = -0.55 -1.024 -1.012 -1.012 -1.007 -1.007 -1.007 -1.007 -1.998 -982 -976 -942 -976 -942 -894 -825 -811 -805 -817 -807 -814 -805 -700 -763 -704	622 616 612 604 597 591 503 573 550 541 531 512 507 511 523 523 523 540 547 557	-0500 .0025 .0250 .0750 .0750 .0750 .0750 .0750 .0750 .0750 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2	Lower surface
	0125 0250 0250 0750 1750 1500 2200 2300 2300 4000 4000 6500 6500 7700 8000 8000 8000 9000 9000	.586 .679 .685 .639 .562 .493 .469 .341 .323 .312 .262 .210 .178 .180 .178 .180 .178 .088 .091 .080 .064 .051 .051	.650 .617 .558 .518 .477 .424 .377 .258 .242 .214 .183 .160 .096 .096 .096 .070 .070 .072 .070 .045	.549 .549 .543 .497 .456 .3376 .3376 .291 .258 .229 .204 .179 .103 .100 .050 .050 .050 .050 .053 .037	.016 .023 - .018 -	.116 .085 .060 .040 .027 .002 .007 .007 .007	. 405 . 382 . 3860 . 3340 . 276 . 253 . 195 . 195 . 195 . 195 . 195 . 002 . 002 . 009 . 009 . 196 . 196 . 180 . 180 . 189 . 18	611 695 812 753 664 576 576 480 412 387 377 278 226 240 243 139 1139 1130 086	.687 .682 .634 .593 .550 .456 .414 .372 .326 .312 .280 .248 .2248 .2248 .155 .156 .127 .127 .127 .127 .127	.562 .582 .555 .516 .496 .443 .398 .357 .225 .265 .269 .243 .212 .190 .158 .154 .101 .110 .097 .079 .055 -011	.466 .502 .481 .455 .431 .384 .360 .274 .246 .227 .175 .172 .148 .078 .050 .060 .060 .047 .026	005	240	•4500	Upper surface

 $\label{eq:table I.-} \textbf{TABLE I.-} \quad \textbf{Continued}$ PRESSURE COEFFICIENTS, BASIC WING, $\ \delta_{\mbox{$N$}} = 0^{0}$

	Fraction					Pr	essure co	efficient,	Ср	, at					Fraction	\Box
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.166	/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	of chord	
Upper surface	-0500 -0000 -0125 -0250 -0500 -1000 -1000 -2500 -3500 -4500 -5500 -5500 -7500 -8000 -9000 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9500 -9	M =	-1.114 -1.295 -1.289 -1.315 -1.303 -1.315 -1.304 -1.254866581591591568592577565591668537374	α = 16 -1.140 -1.094 -1.082 -1.122 -1.122 -1.142 -1.229 -1.228 -1.228 -1.227 -1.227 -1.217 -1.271 -1.255 -1.133 -1.001 -806 -674 -608 -542 -274 -116	-1.069 -1.053 -1.052 -1.056 -1.056 -1.071 -1.106 -1.112 -1.112 -1.118 -1.046 -986 -974 -1.035 -1.045 -1.045 -1.045 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046 -1.046	δ =0.5785 -1.021996935902868826826826870764770755748735723740	- 572 - 573 - 573 - 574 - 574 - 574 - 574 - 574 - 574 - 576 - 563 - 561 - 564 - 568 - 575 - 588 - 575 - 588 - 593 - 593	001 - 77 - 88 - 88 - 76 - 55 - 55 - 55 - 55 - 55 - 55 - 55 - 5	968 875 154 154 159 164 154 154 154 154 154 154 154 154 154 15	-1.183 -1.333 -1.324 -1.324 -1.331 -1.298 -1.333 -1.300 -1.103 -603 -603 -603 -609 -629 -597 -552 -552 -559 -451	$\alpha = 1$ $-1 \cdot 159$ $-1 \cdot 120$ $-1 \cdot 120$ $-1 \cdot 120$ $-1 \cdot 157$ $-1 \cdot 138$ $-1 \cdot 162$ $-1 \cdot 209$ $-1 \cdot 220$ $-1 \cdot 220$ $-1 \cdot 224$ $-1 \cdot 233$ $-1 \cdot 213$ $-1 \cdot 213$ $-1 \cdot 132$ $-$	-1.041 -1.031 -1.030 -1.021 -1.019 -1.009 -987 -968 -968 -968 -968 -971 -987 -987 -987 -986 -994 -933 -917 -986 -917 -986 -917	\$ = -0. -694 -7768 -768 -768 -769 -761 -772 -789 -797 -797 -797 -797 -797 -797 -797	671 683 677 679 682 682 680 670 670 670 670 670 670 670 670 670 668 665 661 657 652 683 632	0500 0000 0125 0250 0250 0750 11000 2200 2300 2300 2300 3300 4500 4500 6500 6600 6600 6800 8800 8800 8900	Upper surface
Lower surface	.0125 .0250 .0550 .0750 .1000 .2500 .3300 .4500 .5500 .6000 .7000 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550 .8550	.622 .747 .894 .826 .722 .638 .607 .532 .449 .440 .371 .329 .292 .283 .202 .174 .117 .109 .091	.703 .720 .680 .646 .611 .556 .5111 .474 .428 .382 .333 .303 .273 .230 .273 .230 .199 .163 .150 .113 .070	.563 .606 .593 .544 .544 .495 .4452 .409 .379 .345 .322 .292 .260 .206 .140 .145 .133 .107 .082 .020	. 462 .514 .514 .492 .472 .432 .409 .358 .326 .293 .277 .240 .218 .195 .161 .121 .098 .098 .089 .089 .089	.403 .468 .459 .434 .395 .364 .225 .296 .224 .213 .183 .150 .028 .051 .038 .016 .010	359 373 391 378 334 318 268 228 176 6128 069 034 -014 -068 -062 -119 -130 -142	• 2 • 2 • 2 • 2	90 668 90 77 965 95 21 97 83 12 663 83 265 32 662 28 04 365 22 04 365 22 04 365 265 265 265 265 265 265 265 265 265 2	715 7754 730 665 661 567 530 483 483 480 40 422 387 351 525 278 245 248 211 200 185 146	.553 .620 .624 .602 .587 .539 .423 .390 .423 .334 .303 .303 .243 .230 .172 .175 .128 .007	. 442 .515 .533 .520 .504 .467 .447 .393 .362 .310 .273 .250 .225 .184 .118 .112 .098 .098 .098	.383 .460 .477 .473 .453 .421 .392 .323 .292 .266 .239 .205 .215 .123 .086 .047 .020 .011 057	.314 .349 .379 .377 .338 .327 .222 .243 .192 .000 .051 .058 .115 .132 .200 .220 .220	.9000	Lower surface
Upper surface	0500 .0000 .01255 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .0250 .025		-1.224 -1.335 -1.327 -1.329 -1.303 -1.329 -1.303 -1.329 -1.307 -1.191 -1.009 -841 -677 -677 -635 -676 -677 -635 -676 -677 -635 -676 -677 -635 -676 -677 -635 -676 -677 -635 -676 -677 -635 -676 -677 -635 -676 -677 -635 -676 -677 -635 -676 -677 -635 -676 -677 -635 -676 -677 -635 -676 -677 -635 -676 -677 -635 -676 -677 -635 -676 -677 -635 -676 -677 -635 -676 -677 -677 -677 -677 -677 -677 -67	-1.192 -1.178 -1.162 -1.193 -1.171 -1.200 -1.235 -1.205 -1.212 -1.176 -1.116 -1.126 -1.112 -1.081 -1.032 -950 -927 -893 -873 -841 -735	992 9982 978 975 975 975 976 978 975 975 943 943 949 948 978 978 978 979 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 978 -	- 779 - 836 - 837 - 840 - 835 - 837 - 843 - 843 - 843 - 843 - 843 - 849 - 831 - 829 - 814 - 804 - 800 - 790 - 782 - 775 - 775 - 775	720 720 720 716 714 711 703 702 696 691 687 687 687 668 696 691 696 691 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696 696									Lower surface
Lower surface	0125 0250 0500 0750 11000 22000 33000 44000 45000 65000 65000 77500 85000 85000 1,0000	612 829 1028 935 822 7142 717 645 574 554 413 384 445 310 259 229 238 153 127 -056	. 492 . 474 . 438 . 401 . 374 . 323 . 281 . 295 . 244 . 234 . 213 . 168 . 108	.544 .632 .653 .637 .628 .584 .545 .508 .470 .438 .412 .345 .345 .207 .208 .207 .208 .186 .155 .116	•125	.355 .4852 .4855 .489 .476 .447 .418 .387 .326 .326 .327 .240 .277 .240 .178 .155 .048 .075 .048 .036 .036	284 346 381 386 351 348 305 272 223 177 121 084 033 -019 -093 -110 -127 -207 -207 -266									Upper surface

Table I.- Continued $\label{eq:pressure} \textbf{PRESSURE COEFFICIENTS, BASIC WING, } \ \delta_{\textbf{N}} = 0^{0}$

T	Fraction					Pre	essure coe	fficient, Cp,	at					Fraction	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	chord	-
The same of the sa	0500 .0000 .0125 .0250 .0500 .0500 .0500 .1500 .2500 .2500 .3000 .4500 .5500 .5500 .6500 .7500 .8500 .7500 .8500 .9500 .9500 .9500 .9500 .9500 .9500	M =071	1.03 .493 -026 .001 .004 -018 -050 -043 -073 -088 -077 -130 -127 -130 -122 -122 -125 -186 -171 -176 -170	α = 646 -039 -035 -035 -035 -054 -075 -098 -106 -1124 -124 -124 -164 -174 -167 -177 -186 -179 -186 -111	.418 070 082 067 081 069 104 116 136 148 167 193 206 199 177 197 197 194 194 194 194 194 194	δ = 0.00 .490145136127127128151168189227230247230241216216216216216216216216216216216216216216216216216216216216216216216226226226226226226226226226226226226226226226226226226226226226226226226226226226226226226226226226226226226226226226226	*618 -:217 -:196 -:191 -:182 -:188 -:277 -:250 -:262 -:267 -:280 -:297 -:266 -:271 -:299 -:214 -:208 -:127 -:208 -:127 -:005 -:096	M =079 .181 .083 .014 .033 .034 .036 .062 .062 .068 .074 .099 .092 .110 .130 .157 .157 .218 .218 .218 .218 .218 .218 .218 .218	1.03 .476256201090088095125134134143143164171171171171171171171171171171173	α = 2 .8848381289172133153167167167178208208223231238216219218218218218218218218218218218	.220 506 411 233 213 213 203 203 219 2245 225 2266 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276 276	- 464 654 8460 286 270 273 278 279 278 279 278 278 279 278 279 278 279 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 278 	.442 -839 -802 -606 -6407 -344 -338 -325 -356 -357 -331 -350 -370 -380 -3294 -235 -366 -065	-0500 .0000 .0125 .0250 .05500 .0750 .1000 .1500 .2000 .2000 .2000 .25500 .5000 .6000 .6000 .6500 .7500 .8000 .8000 .8500 .8500 .8000 .8500 .8000 .8500 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000	Upper surface
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. 058 . 039 . 012 017 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 047 0	. 324 . 265 . 217 . 177 . 130 . 088 . 031 011 091 121 161 191 222 233 233 236 236 237 237 238	0.0250 0.0500 0.0500 0.0750 0.1500 0.1500 0.2500 0.2500 0.3500 0.3500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500 0.4500	

TABLE I.- Continued $\label{eq:pressure coefficients} \text{PRESSURE COEFFICIENTS, BASIC WING, } \delta_{\mathbf{N}} = 0^{o}$

	Fraction					T	ressure coe	efficient C	at at						_
	of chord	0.165/2	0.051-/0	0 401 /6		1	1			1			_	Fraction	
H	Choru	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/	2 0.95b/2	0.16b/2	0.25b/2	0.40b/	2 0.60b/2	0.75b/2	0.95b/2	chord	
Upper surface	0500 0000 0125 0250 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 0350 	M079 -190065160221225217215234225274281311311327309312399312299	- 220 -1.038 994 512 -438 396 269 291 284 283 283 284 283 297 291 284 283 283 297 291 284 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 291 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291		8.07088738898598598628197537537076631509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509509 -	δ = -0. .083 -1.131 -1.071998956934895859783761774770894573578513513516578516578516578516578516578516578516578516578516516578516516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578516578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578578 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.45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000	Upper surface
Lower surface	1.0500 *0125 .0250 .0500 .0750 .0750 .1500 .2500 .2500 .4000 .3000 .4000 .5500 .4000 .5500 .7500 .8500 .8500 .9500 .8500 .9500 .8500 .9500	-+047	*543 *481 *414 *379 *354 *313 *276 *241 *121 *121 *124 *108 *076 *061 *064 *061 *051 *037	.504 .456 .392 .355 .281 .242 .210 .184 .164 .142 .099 .085 .066 .069 .023 .047 .051 .048 .038 .047	.471 .438 .371 .332 .303 .261 .240 .192 .138 .076 .065 .047 .065 .047 .031 .099 .030 .022 .028 .043	.466 .4270 .331 .298 .256 .219 .185 .127 .1106 .053 .034 .019 .020 .016 .008 .009 .020 .019	*458 *409 *359 *319 *258 *233 *177 *133 *072 *020 *0651 *0123 *1123 *1123 *1123 *1190 *1197 *1197 *1197 *1197 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *1198 *119	068 492 595 635 594 530 455 450 3811 317 303 300 252 214 198 189 189 180 103 121 070 075018	*623 *577 *511 *477 *440 *996 *354 *249 *237 *212 *184 *131 *105 *114 *099 *084 *059	.559 .539 .476 .437 .414 .362 .319 .229 .210 .185 .154 .118 .072 .091 .087 .077	.504 .493 .441 .405 .375 .326 .298 .223 .198 .180 .147 .112 .089 .058 .030 .058 .030 .044 .049	.484 .464 .422 .389 .356 .307 .268 .234 .204 .175 .154 .101 .080 .059 .030 .040 .037 .029 .033 019	.459 .427 .387 .354 .296 .272 .215 .173 .112 .066 .002 .031 .067 .106 .159 .155 .155 .157	1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500 1-0500	Lower surface
Upper surface	.7500 .8000 .8500 .9000	• 121 • 146 • - 181 • - 311 • • 445	744 -1-065 -1-032 -1-024 -1-014918 -310 -293 -327 -3376 -336 -359 -3376 -336 -359 -3378 -378 -378	881907907904905930944925889883325337340327336327342231	914 8772 870 8869 876 886 902 907 917 910 903 901 860 910 928 928 928 928 928		- 612 - 605 - 699 - 599 - 599 - 597 - 592 - 596 - 598 - 598 - 595 - 555 - 555 - 555 - 551 - 565 - 595 - 595	*148 *154 333 471 570 569 533		α = 19949108959929929926 -1.020 -1.040 -1.034966 -1.0389853853853853362365365362310	934 910 905 908 908 908 920 929 940 975 990 990 994 994 948 1044 1 044 1 044 1 043 1 031 1 033 1 025	δ = -0. 5429269219199129179289349459559518267787787767677677761733	593 593 568 568 575 565 575 558 553 553 553 554 553 511 516 511 491 498	-0500 +0000 +0125 +0250 +0750 +0750 +1000 +1500 +2000 +3000 +3000 +3000 +5000 +5000 +5000 +7000 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8500 +8	Lower surface
Lower surface	.0125 .0250 .0250 .0750 .1000 .1000 .1000 .2000 .2000 .2500 .2500 .5500 .5500 .6500 .7700 .7700 .8500 .9500 .9500	• 547 • 693 • 738 • 694 • 619 • 536 • 525 • 448 • 382 • 365 • 327 • 308 • 273 • 224 • 232 • 232 • 154 • 114 • 1134 • 096 • 0022	.680 .648 .596 .552 .511 .865 .415 .388 .344 .307 .293 .266 .237 .215 .176 .133 .127 .106 .074	.590 .583 .539 .539 .475 .421 .371 .307 .281 .260 .232 .203 .187 .160 .156 .112 .099 .084	.515 .524 .484 .452 .424 .375 .375 .239 .229 .229 .229 .120 .150 .150 .059 .074 .074 .074 .069	.484 .485 .454 .426 .396 .350 .211 .275 .215 .1170 .140 .115 .092 .084 .057 .055 .035 .035 .035 .035 .035 .035 .035	.447 .428 .407 .380 .302 .249 .206 .102 .034 .003 081 108 .123 .123 .125 .125 .159 159	.617 .726 .858 .804 .631 .638 .638 .448 .433 .385 .352 .320 .320 .291 .209 .291 .209 .2173 .1173 .124	.734 .724 .679 .661 .602 .550 .504 .467 .419 .383 .365 .335 .278 .229 .202 .211 .188 .181 .170 .141	.612 .635 .607 .572 .548 .495 .452 .414 .379 .350 .325 .297 .288 .248 .248 .248 .218 .208 .155 .113 .034	.517 .550 .530 .501 .479 .436 .409 .357 .325 .229 .278 .225 .201 .167 .125 .107 .110 .086 .089 .061	.472 .503 .490 .470 .442 .400 .364 .326 .248 .248 .249 .136 .123 .091 .084 .076 .061	.427 .427 .427 .406 .357 .340 .289 .248 .193 .148 .086 .053 .014 047 061 109 103 115	.0125 .0250 .0250 .0250 .0250 .0250 .0750 .1000 .2000 .2000 .2000 .2000 .3000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000 .4000	Upper surface

TABLE I.- Concluded $\label{eq:pressure coefficients} \text{PRESSURE COEFFICIENTS, BASIC WING, } \delta_{N} = 0^{O}$

T	Fraction					Pr	essure coe	fficient, Cp	, at					Fraction	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	chord	
	-0500 0020 0025 0250 0500 0500 1500 2500 2	.149 .125 632 780 641 511 492 405 405 493 405 493 495 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 496 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-1.184 937 -688 505 905 507 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 527 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LOWER SULIACE	1.0500 .0125 .0250 .0500 .07750 .1000 .2000 .2000 .35000 .45000 .55000 .6000 .6000 .6000 .77000 .85000 .85000 .85000 .85000 .85000 .85000 .85000 .85000 .85000 .85000 .85000 .85000 .85000 .85000 .85000 .85000 .85000 .85000 .85000 .85000 .85000 .85000 .85000 .85000 .85000 .85000 .85000	1816377767258770765683660585514488476395327240214206334363	*750 *764 *732 *696 *659 *606 *558 *522 *475 *413 *382 *277 *240 *249 *211 *196 *119	.607 .644 .603 .584 .536 .493 .453 .416 .381 .300 .278 .247 .235 .168 .187 .168 .149	.501 .550 .547 .525 .505 .464 .389 .336 .370 .271 .224 .189 .146 .128 .126 .1089 .053 .015	. 440 . 493 . 493 . 493 . 481 . 460 . 420 . 385 . 352 . 229 . 289 . 286 . 243 . 211 . 180 . 153 . 134 . 101 . 090 . 076 . 056 . 056	*391 *406 *422 *413 *366 *354 *306 *267 *217 *108 *075 *027 *-031 *-034 *-079 *-104 *-1104	653 831 1,004 975 622 7746 677 677 677 677 677 377 317 317 327 327 327 327 327 327 327 327 327 32	.762 .802 .779 .752 .715 .665 .618 .579 .489 .496 .402 .372 .327 .289 .263 .263 .274 .299 .263 .274 .299 .263	.605 .669 .673 .648 .632 .585 .544 .505 .449 .380 .349 .325 .291 .215 .226 .205 .186 .047	.490 .559 .571 .559 .542 .505 .483 .432 .371 .267 .228 .168 .168 .161 .147 .044	. 424 . 496 . 512 . 508 . 489 . 457 . 389 . 283 . 273 . 220 . 1194 . 1126 . 108 . 086 . 078 . 078	.366 .404 .431 .427 .389 .382 .304 .254 .210 .115 .064 .007 .007 .007 .005 .015 .059 .075	*0125 *0250 *0500 *0750 *0500 *0750 *1500 *0500 *0500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *05500 *055	T owner manufact
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Lower surface	*0125 *0250 *0550 *0750 *1000 *1500 *2500 *3500 *4500 *5500 *5500 *6500 *7700 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500	649 668 1.059 .977 .857 .763 .661 .619 .576 .529 .433 .440 .435 .350 .435 .350 .432 .350 .432 .350 .432 .350 .431 .350 .431 .350 .431 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350 .350	.769 .826 .819 .7764 .717 .631 .520 .490 .453 .421 .376 .330 .431 .348 .348 .348 .348 .346 .346 .346 .346 .346 .346 .346 .346	.596 .682 .701 .685 .674 .674 .591 .591 .459 .429 .394 .367 .337 .265 .277 .218 .218 .218 .218 .218 .218 .218	. 477 . 561 . 592 . 587 . 576 . 575 . 443 . 315 . 318 . 318 . 328 . 270 . 224 . 218 . 148 . 105 . 079	.400 .495 .524 .530 .517 .486 .401 .372 .324 .324 .212 .117 .113 .103 .037	. 334 . 400 . 431 . 434 . 402 . 259 . 327 . 238 . 184 . 095 . 048 . 039 . 024 . 039 . 027 . 038 . 187								

 $\mbox{table II}$ Pressure coefficients, wing with deflected alleron, $\,\delta_{\mbox{N}}$ = $7.5^{\rm o}$

	Fraction				-	Pr	essure coe	fficient, C _p	, at				-	Fraction	П
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	of chord	
	-•0500	M =	0.80	α = 0	•3	δ = . 7•4		M =	0.80		0	δ = 7.		0500	
Upper surface	.0000 .0125 .0250 .0550 .0750 .1500 .2000 .2500 .3000 .3500 .4000 .4500 .5500 .6500 .7700 .7700 .8800 .8500 .9900	.206 .144 .071 .005 .010 .002 .031 .0043 .074 .074 .075 .090 .127 .127 .225 .263 .302 .250 .161 .114	.460 059 054 045 045 045 066 078 113 121 131 121 131 131 183 207 619 075 219	.669 -107 -101 -086 -060 -096 -118 -1122 -1147 -158 -178 -178 -178 -179 -182 -198 -215 -279 -852 -317 -194 -117 -053	.675 -148 -1144 -1146 -1119 -1109 -1143 -1147 -1175 -1182 -2201 -2120 -2120 -2130 -233 -2147 -3467 -367 -367 -367 -367	.423 -280 -280 -1201 -178 -180 -180 -183 -187 -189 -190 -1190 -117 -183 -176 -145 -140 -107 -069 -050 -024	.575 -368 -257 -223 -197 -1169 -1165 -160 -142 -129 -121 -108 -088 -088 -088 -088 -088 -088 -08	.214 -0990 -145 -2390 -2139 -187 -178 -189 -200 -200 -2210 -240 -225 -325 -325 -337 -3303 -197 -116 -030		-188 -759 -654 -654 -538 -431 -411 -363 -332 -316 -220 -291 -303 -315 -321 -357 -373 -373 -373 -373 -373	- 351 - 855 - 764 - 702 - 617 - 503 - 463 - 443 - 415 - 415 - 357 - 372 - 344 - 357 - 344 - 292 - 245 - 177 - 120 - 040	. 135 - 993 - 9928 - 899 - 888 - 840 - 798 - 684 - 562 - 464 - 335 - 283 - 2267 - 212 - 193 - 149 - 107 - 083 - 053 - 021	- 482 - 664 - 6629 - 610 - 589 - 573 - 574 - 546 - 520 - 494 - 445 - 424 - 410 - 337 - 337 - 336 - 316 - 291 - 244 - 220 - 187	.0125 .0250 .0500 .0750 .0750 .0750 .0750 .1000 .1500 .2200 .2200 .3300 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500	Upper surface
Lower surface	.0125 .0250 .0500 .0500 .1000 .2000 .3000 .3500 .4500 .5500 .6500 .7500 .8500 .9500 .9500	.138 .101 .074 .052 .036 .001 .010 .030 .031 .041 .047 .060 .080 .080 .093 .011 .007 .024 .020 .039 .011 .043	.016 -0008 -0008 -015 -027 -027 -034 -047 -061 -071 -075 -075 -036 -036 -036 -036 -036 -036 -036 -036	001 016 017 028 032 047 055 072 062 055 072 062 052 073 054 018 076 076 076 076 076 077 084 094 094 094 094 094 094 094 094 094 094 095 094 095 097 094 095 097 094 095 097 094 095 097 094 095 097 094 095 097 094 095 097 096 097 096 097 096 097 096 097 097 096 097 096 097 096 097 096 097 096 097 096 097 096 097 096 097 096 097 096 097 096 097 096 097 096 097 096 097 096 097 096 097 096 097 096 097 096 097 096 097 096 097 097 096 097 096 097 096 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097 097	.036 -020 -027 -037 -035 -045 -051 -051 -051 -043 -035 -049 -055 -049 -023 -034 -032 -032 -032 -032 -032	.083 .035 .015 .003 -015 -032 -046 -051 -065 -069 -079 -081 -082 -069 -079 -080 -051 -042 -046	.125 .089 .044 .004 -042 -041 -071 -087 -1092 -1092 -1095 -075 -072 -085 -032	.299 .261 .263 .235 .180 .146 .075 .067 .067 .064 .014 .005 .022 .089 .096 .067 .033 .006 .043 .014 .055 .086 .086 .086 .086 .086 .086 .086 .086	.342 .267 .203 .183 .155 .118 .094 .071 .047 .020 .027 .019 .010 .022 .033 .093 .093 .093 .094 .046 .046	342 277 222 180 156 114 086 062 043 037 037 040 060 076 119 302 149 105 077 061 064	. 351 . 289 . 234 . 191 . 168 . 128 . 122 . 080 . 066 . 053 . 056 . 041 . 046 . 051 . 012 . 005 . 012 . 005 . 012 . 005 . 012 . 005 . 012 . 005 . 012 . 013 . 015 . 015	.382 .325 .261 .187 .148 .117 .093 .073 .051 .035 .007 -010 -021 -021 -023 -009 .004 .039 .042	.384 .324 .261 .156 .110 .059 .021 .0027 .0027 .0057 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075 .0075	.0125 .0250 .0500 .0750 .1000 .1500 .2000 .2000 .2500 .3000 .3000 .4500 .4500 .5500 .6500 .7500 .7500 .7500 .8500 .8500 .9500	Lower surface
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5D

	Fraction				-	Pr	essure coe	fficient, Cp	, at				-	Fraction	T
	of	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	of chord	
		M	0.80	α = 1	6.5	δ = 7.	1	М =	= 0.80	α =	20.6	δ = 6	• 9		T
Upper surface	-0500 -0000 -0125 -0250 -0550 -0550 -0550 -1500 -2000 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500	082	-1.777 -1.7791 -1.769 -1.768 -1.789 -1.783 -1.630 -1.626 -1.404 -1.170971825683610571527517523678866383292	-1.146 -1.149 -1.149 -1.129 -1.155 -1.131 -1.143 -1.140 -1.129 -1.105 -1.076 -1.051993955921654756799756799756	783 789 789 783 780 777 765 752 743 723 711 699 685 659 663 666 664 678 678	640 641 635 632 625 611 619 614 607 590 576 586 556 556 556 556 554 554	494526522521520518519515518519515519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519519	-088 -2555 -8896 -841 -8841 -8841 -8820 -857 -7420 -688 -677 -669 -669 -667 -668 -758 -758 -7558	833 832 832 832 838 834 835 823 815 777 776 775 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776 776	829 805 798 803 793 800 799 797 7794 7794 7764 7764 775 772 770	- 754 - 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.0041 .014 .039 .005 .014 .014 .014 .014 .014 .014 .014 .014	.280 .303 .322 .308 .263 .263 .283 .182 .182 .180 .080 .038 .017 .004 .092 .128 .129 .129 .129 .204 .212	.522 .735 .835 .704 .654 .595 .547 .477 .453 .429 .375 .339 .341 .301 .266 .295 .203 .220 .152 .078 .233 .234	*605 *678 *657 *657 *525 *525 *487 *440 *380 *319 *301 *277 *286 *406 *253 *209 *159 *000	*434 •541 •563 •549 •498 •461 •424 •390 •314 •289 •275 •255 •400 •232 •163 •094 •015 •117	.330 .434 .475 .471 .461 .431 .363 .335 .284 .224 .199 .155 .114 .024 -027 -288	.267 .375 .410 .416 .402 .372 .342 .307 .276 .237 .208 .170 .129 .084 .004 .008 .0082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 .1082 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.8500 .7500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500	Lower surface
Upper surface	0500 .0000 .0100 .0150 .0550 .0550 .0550 .0550 .1500 .2500 .3500 .4500 .4500 .4500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500 .6500	M = .038 .238 .159 .082 .010 .002 .007 -018 .038 -050 .074 -079 -182 -142 -142 -142 -137 -325 -364 -374 -374 -389	0.90 .472045033021036054078111135152170136182192746471354250169077	α = 0 .6220920760660921124144183198208251278886271371055010	-380 -118 -120 -1118 -102 -118 -107 -141 -146 -175 -189 -224 -224 -224 -226 -292 -264 -389 -344 -215 -122 -042	5 = 7.4 .441255177165174194201221221222264275288296278296278296278296278296278296278296278296278296278296278296278296	.573 457 376 325 272 261 252 261 261 154 1137 122 1134 122 100 098 027 .004 .013 .039 .070	M =	0.90 .055813353297232243223224023322402732482582602732583743464334222110	α = 4 •128 •732 •616 •509 •397 •316 •310 •310 •290 •310 •290 •310 •310 •290 •310 •310 •290 •317 •310 •310 •290 •317 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310 •310	265865728608573478426396396398385385389410505353013	δ = 7. -243 -976 -872 -819 -792 -819 -792 -4756 -8704 -632 -573 -522 -485 -467 -467 -467 -4467 -447 -245 -972 -973 -973 -973 -973 -973 -973 -973 -973	478. 779 764 774 723 708 687 592 549 470 432 399 336 307 273 218 218	-0500 +0000 +0125 +0250 +0500 +0750 +1000 +2000 +3000 +3000 +5000 +5000 +5000 +5000 +6500 +7500 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8000 +8	Lower surface
Lower surface	*0125 *0250 *0500 *0750 *1000 *1500 *2500 *3500 *3500 *4500 *5500 *6500 *6500 *7500 *7500 *8500 *9500 *9500	*153 *114 *092 *067 *067 *005 *005 *005 *005 *005 *005 *005 *00	.026 .002 001 006 022 039 055 077 101 093 102 089 063 .010 .279 .094 .034 .003 .010	009 025 025 033 041 076 089 102 004 094 067 067 067 030 004 070 069 089 004	085 075 080 080 077 061 061 040 022 012 .007 034	058 065 065 070 083 077	*126 *084 *0832 -0163 -070 -1111 -140 -1147 -129 -1144 -122 -1118 -1187 -087 -095 -064 -030 *034 *047	*318 4282 2247 1193 1163 1140 007 0070 0034 0011 005 0013 0049 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 0070 00	*346 *273 *215 *201 *164 *132 *105 *080 *054 *026 *012 *002 *015 *029 *015 *029 *015 *029 *024 *026 *027 *027 *027 *028 *028 *029 *029 *029 *029 *029 *029 *029 *029	*339 *269 *217 *177 *152 *112 *080 *035 *026 *026 *026 *031 *055 *077 *128 *307 *155 *108 *057 *041	*349 *277 *225 *185 *159 *120 *115 *075 *054 *054 *054 *057 *052 *056 *011 *017 *017 *017 *017 *017 *017 *017	• 373 • 307 • 244 • 199 • 178 • 108 • 108	*374 *321 *248 *192 *138 *095 *042 *0052 *082 *082 *121 *112 *112 *122 *108 *0753 *020 *022 *050	*0125 *0250 *0500 *0750 *1000 *1500 *2000 *2500 *3000 *3000 *4000 *5500 *6500 *6500 *7000 *8500 *8500 *8500 *9500	Upper surface

 ${\bf TABLE~II.-~Continued}$ PRESSURE COEFFICIENTS, WING WITH DEFLECTED AILERON, $\delta_{\rm N}=7.5^{\rm O}$

	Fraction					Pre	essure co	efficient, (p, at					Fraction	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	of chord	
Upper surface	0500 .0000 .0125 .0250 .05500 .07500 .1500 .22000 .33000 .4000 .5500 .5500 .5500 .5500 .7500 .6500 .7500 .88000 .9500	M = .049 .255 -218 -278 -440 -316 -352 -334 -321 -324 -320 -335 -420 -440 -478 -520 -478 -300 -078	0.90 -613 -1.124 -1.062 -977 -859 -3304 -349 -349 -345 -345 -346 -3396 -373 -811 -631 -381 -381 -381	α = 8 866 -1.006961946910911888838755666593473421408892994996996996996996996996996996996996996996996996996996996996996996996996	- 928 - 980 - 976 - 978 - 989 - 985 - 981 - 964 - 964 - 964 - 964 - 964 - 964 - 964 - 964 - 964 - 975 - 985 -	δ = 7.2 221 922 924 904 880 881 816 773 770 752 731 707 681 650 621 547 547 447 442 414	514 493 475 476 476 466 462 452 444 435 412 403 393 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378 378	027 147 -431 -538 -744 -699 -611 -555 -500 -491 -477 -488 -499 -501 -551 -500 -411 -355 -311 -321 -321 -321 -321 -321 -321 -321	-1.346 -1.348 -1.356 -1.288594442456489474493516462447374374374374	$\alpha = 1$ $-\frac{1}{4} \cdot 277$ $-1 \cdot 131$ $-1 \cdot 131$ $-1 \cdot 157$ $-1 \cdot 142$ $-1 \cdot 170$ $-1 \cdot 180$ $-1 \cdot 186$ $-1 \cdot 186$ $-1 \cdot 186$ $-1 \cdot 186$ $-1 \cdot 165$ $-2 \cdot 57$ -914 -650 -254 -063 -112 -875 -660 -466 -411 -311	914889871834817794761733737732720717700678679666596	5 = 7. - 401 - 585 - 583 - 582 - 577 - 580 - 577 - 576 - 577 - 576 - 575 - 557 - 556 - 556 - 554 - 548 - 548 - 548 - 548 - 548	450 473 472 469 469 470 472 474 475 477 480 488 492 492 492 492 492 489 479 489 479 489 479 489 479 489 479 489 479 489 479 489 479 489 479 489 479 489 479 489 479 489 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 479 	0500 .0000 .0125 .0250 .0750 .1750 .1000 .2000 .2000 .2000 .3000 .4000 .4000 .5000 .5000 .7500 .7500 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000 .8000	Upper surface
Lower surface	.0125 .0250 .0550 .0550 .1000 .1000 .2000 .3300 .3300 .4000 .5500 .6500 .7700 .8800 .8800 .8900 .9900	.465 .450 .482 .436 .370 .324 .300 .264 .211 .202 .189 .144 .118 .118 .118 .118 .118 .099 .041 .045	.519 .460 .395 .362 .321 .277 .241 .209 .172 .143 .139 .123 .108 .111 .114 .163 .405 .193 .152 .091 .074	472 432 371 330 303 257 219 1188 161 145 141 128 142 153 194 455 207 158 122 097	.441 .424 .365 .323 .297 .255 .241 .194 .174 .138 .149 .132 .129 .117 .109 .054 .026 .006	.434 416 .374 .337 .302 .256 .221 .189 .163 .137 .120 .094 .065 .039 .019 .007 .028 .031 .055 .055	.399 .367 .324 .284 .190 .127 .080 .025 .019 .070 .091 .124 .152 .187 .189 .170	*54 *57 *66 *60 *60 *60 *60 *60 *60 *60 *60 *60	\$.580 c	.507 .507 .472 .433 .406 .356 .317 .283 .232 .218 .203 .191 .196 .212 .236 .236 .216 .236 .217 .236 .236 .236 .236 .236 .236 .236 .236	.447 .473 .440 .413 .388 .343 .324 .272 .224 .219 .207 .181 .170 .154 .132 .111 .043 .043 .017 .053 .114 .154	.047 .013 013 058 073 093 116 125	.357 .344 .327 .298 .244 .213 .150 .106 .045 001 062 184 174 1166 227 233 237 280 338	.6000 .6500 .7000 .7500 .8000	Lower surface
Upper surface	0500 .0000 .0125 .0250 .0250 .0750 .1000 .1500 .2000 .25000 .35000 .44000 .45000 .55000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000	M .019 .013 .756 .885 .967 .987 .881 .770 .6817 .551 .5496 .500 .555 .549 .575 .549 .537 .527 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548 .548	- 0.90 -1.361 -1.515 -1.515 -1.517 -1.521 -1.521 -1.521 -1.5384 -895 -667 -653 -647 -657 -558 -657 -548 -559 -548 -599 -599 -599	α = 10 -1.105 -1.066 -1.059 -1.088 -1.065 -1.087 -1.102 -1.083 -1.051 -1.016 -989 -935 -901 -873 -824 -794 -761 -815 -711 -699 -672 -640 -611	5.7 764788787786795802798778775778775772723703683686699684679687687687687	6 = 7. -682 -695 -667 -667 -667 -667 -669 -659 -662 -662 -6612 -699 -599 -588 -582 -588 -586 -586	- 522 - 556 - 552 - 550 - 549 - 544 - 544 - 546 - 548 - 548 - 548 - 548 - 548 - 548 - 548 - 548 - 548 - 549 - 549	.000 -158 -88 -83 -83 -83 -83 -83 -83 -83 -85 -66 -66 -66 -66 -66 -66 -66 -66 -55	2 8466 8441 8446 8446 8446 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 8456 -	825 807 798 804 799 800 799 790 788 778 773 748 748 748 748 749 749 749 749 749 749	-665 -732 -732 -732 -732 -732 -742 -742 -772 -712 -707 -709 -698 -677 -699 -677 -699 -677 -699 -677 -699 -679 -698	764 712 699 694 687 688 687 681 681 681 678 675 669 653 653	588631626622619616613615613616613616618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618618	*0125 *0250 *0500 *0750 *1500 *1500 *2500 *3900 *3900 *4500 *5500 *6500 *7500 *6500 *7500 *6500 *7500 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000 *8000	Lower surface
Lower surface	.0125 .0250 .0750 .0750 .1000 .21000 .25000 .25000 .35000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .45000 .450000 .450000 .450000 .450000 .450000 .450000 .450000 .450000 .450000 .450000 .450000 .450000 .450000 .450000 .450000 .450000 .4500000 .4500000 .450000000000	. 856 . 669 . 669 . 505 . 505 . 505 . 438 . 417 . 319 . 311 . 311 . 311 . 255 . 255 . 297 . 297	.526 .482 .444 .402 .358 .348 .318 .292 .278 .262 .281 .440 .281 .292 .281 .262 .281 .293 .293 .293 .293 .293 .293 .293 .293	.266 .204 .151	. 424 . 489 . 496 . 479 . 462 . 424 . 404 . 356 . 326 . 320 . 284 . 252 . 237 . 219 . 185 . 154 . 088 . 030 . 025 . 154 . 169 . 169	008	130 202 210 218 255 289	*5' *7' *9' *8' *7' *6' *5' *5' *5' *5' *4' *3' *3' *3' *3' *3' *2' *2' *1' *1' *1' *1' *1' *1' *1' *1' *1' *1	72	5999	47i 47i 51' 55i' 55i' 55i' 55i' 55i' 55i' 55i'	### ### ##############################	277, 318 2 3111 2 2818 2 2818 2818 2819 2919 2919 2919 2919 2919	2 0.250 8 0.5500 8 0.7500 9 1500 1 2000 4 2500 0 3000 2 3500 2 3500 2 3500 6 6.500 2 6500 9 7000 3 7500 8000 5 4800 5 4800 5 4800 5 9000	Upper surface

 ${\bf TABLE~II.-~~Continued}$ PRESSURE COEFFICIENTS, WING WITH DEFLECTED AILERON, $\delta_{\bf N}$ = 7.50

	Fraction					Pr	essure coef	fficient, C	p, at					Fraction	T
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/	2 0.40b/	0.60b/2	0.75b/2	0.95b/2	of chord	
		M =	0.94	α = 0	0.2	δ = . 7 • 3	3	М	= 0.94	α =	4.0	δ = 7.	2		T
	0500	.058						•058						0500	
П	•0000 •0125	•262 •190	010	•588 -•059	080	-•499 -•177	•629 -•341	•274 •033	*128	853	220	•274	375	.0000	
1	•0250	•116	002	065	084	125	296	031	734 364	-+565	-•972 -•732	-1.125 -1.039	-1.131 -1.037	*0125 *0250	П
1	•0500	•040	•009	053	086	120	260	170	270	416	535	918	973	.0500	П
	•0750 •1000	•033	005 028	044	096	134 127	240	145 121	199 210	350 333	507 427	818	916	•0750	1
-	•1500	.007	060	094	118	158	239	125	220	293	387	649 531	895 862	*1000 *1500	
	•2000 •2500	011 023	057 086	105	129	169	253	134	200	278	363	479	820	.2000	1
	•3000	050	096	126 138	153 163	183 197	298	148 169	212 212	-•272 -•276	367 358	457	731 661	•2500 •3000	
1	•3500	055	115	160	177	218	317	158	213	298	367	440	581	• 3500	1
-	•4000 •4500	065 100	117 137	149	188 207	239	324	170 200	222	280 299	365	438	524	.4000	П
	•5000	127	156	179	215	280	302	225	264	308	361 375	441	485 454	•4500 •5000	1
	•5500 •6000	129 176	126 166	177 205	225 255	296	218	235	238	304	364	454	405	•5500	1
	•6500	213	163	230	224	290	159	287 305	274 259	315 314	370 355	446	357 281	•6000 •6500	П
1	•7000	266	673	230 776	346	348	.020	345	696	832	484	466	200	•7000	П
	•7500 •8000	313 352	443	719 564	431	358 325	•030 •053	399	520	767	586	465	155	• 7500	ı
	.8500	318	333	384	424	118	.060	431 398	491 432	-•677 -•508	537 461	460 264	115	.8000 .8500	ı
	•9000	248	274	167	211	.044	.078	259	372	273	295	052	064	*9000	П
	•9500	169	157	016	020	.086	•108	199	-•238	-•098	096	•029	030	•9500	
	•0125 •0250	•175 •141	.043 .019	007 020	025 075	026	.088 .049	•330 •298	•351 •278	•342 •273	•346 •271	•359 •290	•360 •304	•0125 •0250	
	•0500	•117	.020	012	071	058	001	•294	•222	+217	•222	.227	.239	•0500	
1	•0750 •1000	•091 •059	002	026	083	057 070	052	.255	•211	•181	•183	•183	•182	•0750	1
1	•1500	.027	012	059	108	078	091	•206 •173	•171 •138	*154 *117	*154 *113	•152 •124	•118	•1000 •1500	1
1	•2000	.010	026	076	095 098	085	131	•145	•112	.084	•108	•093	.029	.2000	1
1	• 2500 • 3000	012 019	041	095 114	096	081	182 233	•129 •095	•085 •053	*055 *032	*066 *053	•071 •054	017 086	•2500 •3000	1
	•3500	039	097	124	086	094	235	•085	.026	.020	.045	.027	141	•3500	ı
	•4000 •4500	046	096	122	068	090 100	244 215	•078	.024	•020	.049	.019	201	+4000	
	•5000	104	112 135	091	044	119	177	•042 •013	008	.017 .023	*038 *045	002 029	224 251	•4500 •5000	П
	•5500	100	116	043	023	135	131	.000	001	.051	.051	047	259	+5500	ı
1	•6,000 •6500	-4105 061	086	.000	010 .012	154 136	071 071	.001 .031	*012 *081	*074 *126	*050 *052	066 070	229 172	•6000	
1	•7000	006	.241	.267	047	156	036	.067	•306	•305	006	097	106	•6500 •7000	П
	•7500 •8000	•025 •005	•062 •034	.061	091 085	102 051	003	•105 •071	•118	*151	044	074	047	• 7500	L
П	.8500	030	.012	.025	115	006	.060	•032	.084 .057	*099 *061	055 087	055	.015	.8000 .8500	ı
1	• 9000	068	011	.011	.001	.054	•066	048	*022	. +032	012	.015	.011	.9000	1
	•9500 1•0000	127 018	011	.013	.033	•076	.083	154 049	•004	*005	•006	•033	•001	.9500 1.0000	
٦.			0.94	$\alpha = 7$	• 9	δ = 7•1			= 0.94	$\alpha = 1$	2.0	δ = 7 • 1	1		r
					854	108	715	•069 •188	983	-1:129	-1.057	492	507	0500 .0000	Г
-	-•0500 •0000	•066 •272	472	721			730		-1.230	-1.077	-1.057	771	511	+0125	
-	•0000 •0125	•272 -•164	-1.102	971	943	-1.041		347	14530						ı
-	•0000 •0125 •0250	•272 -•164 -•221	-1.102 861	971 889	943	-1.009	709	347 435	-1.222	-1.064	-1.052	773	508	.0250	
	.0000 .0125 .0250 .0500 .0750	-272 164 221 405 373	-1.102 861 800 759	971 889 874 845	943 938 933 941	-1.041 -1.009 992 980	709 688 676	435 640	-1.222 -1.213	-1.064 -1.087	-1.052	773 779	508	.0250 .0500	
-	.0000 .0125 .0250 .0500 .0750	•272 ••164 ••221 ••405 ••373 ••310	-1.102 861 800 759 721	971 889 874 845 848	943 938 933 941 925	980 963	709 688 676 670	347 435 640 607 527	-1.222 -1.213 -1.211 -1.211	-1.064 -1.087 -1.069 -1.096	-1.052 -1.059 -1.059	773 779 782 794	508 510 508 507	.0250 .0500 .0750 .1000	
-	.0000 .0125 .0250 .0500 .0750 .1000	•272 •164 •221 •405 •373 •310 •287	-1.102 861 800 759 721 448	971 889 874 845 848 832	943 938 933 941 925 898	-1.009 992 980 963 965	709 688 676 670 669	347 435 640 607 527 479	-1.222 -1.213 -1.211 -1.211 -1.143	-1.064 -1.087 -1.069 -1.096 -1.117	-1.052 -1.059 -1.059 -1.071	773 779 782 794 801	508 510 508 507 510	.0250 .0500 .0750 .1000	
	.0000 .0125 .0250 .0500 .0750 .1000 .1500 .2000	•272 ••164 ••221 ••405 ••373 ••310 ••287 ••273 ••301	-1.102 861 800 759 721 448 293 323	971 889 874 845 848 832 781 696	943 938 933 941 925 898 863	-1.009 992 980 963 965 955 947	709 688 676 670 669	347 435 640 607 527 479	-1.222 -1.213 -1.211 -1.211 -1.143 543	-1.064 -1.087 -1.069 -1.096 -1.117	-1.052 -1.059 -1.059 -1.071 -1.083	773 779 782 794 801 793	508 510 508 507 510	.0250 .0500 .0750 .1000	
-	.0000 .0125 .0250 .0500 .0750 .1000 .1500 .2000 .2500	•272 ••164 ••221 ••405 ••373 ••310 ••287 ••273 ••301 ••298	-1.102 861 800 759 721 448 293 323 328	971 889 874 845 848 832 781 696 612	943 938 933 941 925 898 863 860 840	-1.009 992 980 963 965 955 947 934	709 688 676 669 669 660 651	347 435 640 607 527 479 437 430	-1.222 -1.213 -1.211 -1.211 -1.143 543 400 401	-1.064 -1.087 -1.069 -1.096 -1.117 -1.117 -1.107 -1.107	-1.052 -1.059 -1.059 -1.071 -1.083 -1.108	773 779 782 794 801 793 772	508 510 508 507 510 509 509	.0250 .0500 .0750 .1000 .1500 .2000 .2500 .3000	
	.0000 .0125 .0250 .0500 .0750 .1000 .1500 .2000 .2500 .3000 .3500 .4000	.272 164 221 405 373 310 287 273 301 298 296 305	-1.102 861 800 759 721 448 293 323 323 328 343 327	971 889 874 845 848 832 781 696 612 543 431	943 938 933 941 925 898 863 860 840 832 807	-1.009 992 980 963 965 955 947 934 906	709 688 676 670 669 660	347 435 640 607 527 479 437	-1.222 -1.213 -1.211 -1.211 -1.143 543 400	-1.064 -1.087 -1.069 -1.096 -1.117 -1.117 -1.107 -1.107 -1.105	-1:052 -1:059 -1:059 -1:071 -1:083 -1:108 -1:109 -1:109	773 779 782 794 801 793 772 750	508 510 508 507 510 509 510 510	.0250 .0500 .0750 .1000 .1500 .2000 .2500 .3500	
	.0000 .0125 .0250 .0550 .0750 .1000 .1500 .2000 .2500 .3000 .3500 .4000	-272 -164 -221 -405 -373 -310 -287 -273 -301 -298 -296 -305 -325	-1.102 861 800 759 721 448 293 323 328 343 327 346	971 889 874 845 845 832 781 696 612 5543 407	943 938 933 941 925 898 863 860 840 832 807 784	-1.009 992 980 963 965 955 947 934 906 871	709 688 676 670 669 660 651 642 629 615 595	347 435 640 607 527 437 430 409 417 420 435	-1.222 -1.213 -1.211 -1.211 -1.143 543 400 434 424 424	-1.064 -1.087 -1.069 -1.096 -1.117 -1.117 -1.107 -1.105 -1.057 979	-1.052 -1.059 -1.059 -1.071 -1.083 -1.108 -1.109 -1.109 -1.088 -1.088	773 779 782 794 801 793 772 750 725 705	508 510 508 507 510 509 510 509 510	.0250 .0500 .0750 .1000 .1500 .2000 .2500 .3000 .3500 .4000	
	.0000 .0125 .0250 .0500 .0750 .1000 .1500 .2500 .3000 .3500 .4000 .4500 .5500	.272 164 221 405 373 310 287 273 301 298 296 305	-1.102 861 800 759 721 448 293 323 323 328 343 327	971 889 874 845 845 832 781 696 612 5543 407 401	943 938 938 933 941 925 898 863 860 840 832 807 784	-1.009 992 980 963 965 955 947 934 906 871 834	709 688 676 670 669 660 651 642 629 615 595 573	347 435 640 607 527 479 430 409 417 420 425 455	-1.222 -1.213 -1.211 -1.211 -1.143 543 400 401 434 424 443	-1.064 -1.087 -1.069 -1.096 -1.117 -1.117 -1.107 -1.105 -1.057 979 826	-1.052 -1.059 -1.059 -1.071 -1.083 -1.108 -1.109 -1.109 -1.088 -1.088	773 779 782 794 801 793 772 750 725 684 665	508 510 508 507 510 509 510 510 510	.0250 .0500 .0750 .1000 .1500 .2000 .2500 .3000 .3500 .4000 .4500	
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.9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500 .9500	surface

 $\mbox{TABLE II.- Continued}$ PRESSURE COEFFICIENTS, WING WITH DEFLECTED AILERON, $\delta_{\mbox{N}}$ = 7.50

	Fraction					Pr	essure co	efficient, C	o, at					Fraction	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	of chord	
		M =	0.94	α = 16		δ = 6.8		м	= 0.94	α = 2	1.0	δ = 6.	7		
Upper surface	0500 .0000 .0125 .0250 .0500 .0750 .11000 .22000 .3500 .4500 .4500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .55	.044 .049 .673 .803 .905 .883 .813 .715 .641 .589 .550 .550 .476 .489 .530 .647 .647 .689	-1.257 -1.425 -1.429 -1.434 -1.453 -1.424 -1.483 -1.361 945 660 584 687 448 512 605 639 827 757 697 827 959 397	-1.220 -1.186 -1.173 -1.207 -1.178 -1.181 -1.181 -1.162 -1.101 -1.074 -1.074 -1.018979865855753753753672631	- 796 - 827 - 825 - 825 - 835 - 834 - 823 - 815 - 802 - 786 - 775 - 777 - 759 - 777 - 759 - 778 - 779 - 790 - 798 - 808	671 724 720 729 719 709 731 734 732 724 718 701 682 669 666 666 665 664 652	- 598 - 636 - 632 - 631 - 630 - 627 - 626 - 625 - 624 - 626 - 630 - 629 - 629 - 629 - 629 - 629 - 628 - 628 - 628 - 629 -	.042 -115 -1.032 -1.025 -1.037 -1.048 -1.023 -933 -816 -4.725 -695 -661 -650 -650 -650 -650 -650 -650 -650 -650	-1.118 -1.108 -1.099 -1.096 -1.098 -1.096 -1.098 -1.069 -1.088 -1.063 -1.053 -1.0259999408853809764731837767707660632	-1.018 -1.005993994978963996947943922908887812814806776	79483082981878317805797798778771748776776778777737724	800771763773773773773772727716771770716770706700693683	641 675 675 667 669 668 664 664 6664 6664 667 662 662 664	-0500 .0000 .0125 .0250 .0750 .0750 .0750 .0750 .1000 .1500 .2500 .3500 .3500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4	Upper surface
Lower surface	0125 0250 0500 07750 1000 2000 2500 3500 4500 5500 6500 7500 8000 8500 8500 9500	. 594 . 720 . 867 . 803 . 678 . 619 . 570 . 514 . 445 . 319 . 325 . 329 . 229 . 220 . 204 . 168 1140	672 692 657 625 585 534 490 404 405 365 331 322 296 288 288 288 286 290 243 202 146	.523 .576 .570 .542 .523 .477 .434 .398 .367 .340 .323 .302 .285 .280 .270 .270 .287 .426 .216 .104	.433 .496 .499 .483 .464 .427 .405 .357 .357 .330 .228 .242 .225 .192 .163 .092 .035 .016 .134 .1140	.375 .439 .448 .449 .319 .313 .250 .223 .154 .115 .081 .052 .006 -012 -039 -063 -072	.290 .236 .343 .329 .285 .267 .214 .178 .120 .069 .011 .025 .082 .132 .132 .132 .213 .225 .233 .245 .267 .275 .275 .275 .275 .275 .275 .275 .27	.593 .8155 1.005 .908 .778 .727 .680 .622 .553 .528 .507 .452 .424 .424 .383 .340 .374 .321 .270 .229 .029	.691 .755 .750 .750 .695 .648 .602 .565 .518 .476 .432 .432 .431 .3362 .371 .578 .395 .317 .272	•514 •610 •635 •621 •609 •569 •569 •465 •438 •419 •394 •373 •361 •347 •353 •276 •215 •215 •399	.402 .499 .538 .537 .525 .499 .481 .3381 .363 .3311 .314 .292 .255 .215 .148 .086 .029 -097 -110	. 324 . 426 . 466 . 474 . 463 . 437 . 410 . 372 . 346 . 313 . 252 . 217 . 174 . 139 . 110 . 001 . 009 . 023 . 040 . 011	. 232 . 293 . 341 . 345 . 314 . 308 . 263 . 233 . 177 . 132 . 075 . 074 . 002 . 063 . 073 . 146 . 179 . 246 . 327	.0125 .0250 .0500 .0750 .1000 .1200 .2200 .2200 .3000 .3500 .4500 .5500 .6500 .7500 .8500 .7500 .8500 .9500	Lower surface
			= 0.98	α = 0	•2	δ = 7.2			= 0.98	α =	4.0	δ = 7.	1		
Upper surface	050000000000000000000050000500005000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000	.095 .281 .1221 .1522 .085 .077 .085 .028 .024 .0117 -017 -050 -090 -103 -108 -157 -169 -266 -327 -327 -327 -323	.526 .028 .046 .030 .011 -026 -029 -065 -091 -097 -112 -135 -103 -141 -619 -407 -379 -331 -303 -261	1595 -020 -020 -027 -017 -010 -035 -063 -103 -112 -125 -152 -152 -167 -17 -167 -192 -091 -0966 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 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-3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -3666 -	-409 -0049 -0052 -0074 -0104 -1137 -1137 -1186 -1203 -125 -122 -122 -122 -122 -123 -125 -125 -125 -125 -125 -125 -125 -125	+539 -129 -101 -106 -119 -116 -151 -163 -176 -208 -217 -233 -275 -274 -293 -313 -358 -381 -397 -424	-573 -220 -184 -180 -178 -185 -185 -187 -278 -278 -278 -300 -317 -300 -317 -301 -320 -320 -3302 -3303	110 1901 1002 1070 1077 1057 1066 1077 1077 1077 1121 1115 1120 1145 1179 1288 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1298 1	*220 -e610 -e208 -e159 -e145 -e153 -e165 -e147 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -e166 -	.359 -9901 -507 -312 -261 -225 -2241 -225 -227 -2243 -227 -225 -227 -243 -255 -277 -276 -276 -276 -276 -276 -276 -276	119 -1.016945404381321307299300307317335345345345479	.350 -1.129 -1.072999 -84533553473464378399405399405399406399406399406399406399406399406	-,262 -1,198 -1,181 -1,135 -1,093 -1,093 -1,093 -,923 -657 -5503 -426 -3772 -371 -401 -413 -437 -4969 -399 -399 -494 -387	-0900 -0000 -0125 -0250 -0790 -0790 -1900 -2900 -2900 -3900 -4900 -4900 -4900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 -6900 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.004 .003 .004 .013 .089 .189 .103 .005 .005 .005 .005 .005 .005 .005 .0	.363 .293 .203 .203 .203 .203 .099 .068 .021 .017 .025 .083 .140 .314 .167 .004	.345 .271 .219 .184 .153 .111 .106 .064 .055 .007 .052 .061 .065 007 191 088	**362 **2730 **189 **162 **134 **162 **162 **162 **163 **162 **163 **162 **165 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 **167 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 $\mbox{TABLE II. - Continued}$ PRESSURE COEFFICIENTS, WING WITH DEFLECTED AILERON, $\delta_{\mbox{N}}$ = 7.5°

T	Fraction					Pr	essure coe	fficient, C	, at					Fraction	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	chord	
	0500 .0000 .0125 .0250 .0500 .0500 .1500 .2500 .1500 .2500 .3500 .4500 .4500 .5500 .6500 .7500 .8500 .8500 .8500 .8500 .8500	M = .105 .303096159300253253253253255255255255255310366375411439466450387364	359 -1.030 780 706 408 009 390 263 294 288 304 331 275 347 357 557 557 557 557	α = 7579929807785759762764615532476381373371361778639639639	778 899 899 885 796 786 776 776 776 776 776 614 617 618 618 619 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 610 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596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596		M *107 *227 *384 *5542 *466 *415 *372 *386 *372 *386 *380 *380 *380 *447 *458 *488 *489 *491 *521 *532 *498 *498	874 -1.139 -1.128 -1.116 -1.110 -1.108 -1.05 -350 -380 -373 -3421 -3421 -350 -340 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 -3616 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.2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198 .2198	.481 .495 .458 .425 .398 .356 .265 .261 .243 .231 .243 .231 .169 .144 .074 .007 .004	.442 .455 .429 .404 .375 .237 .239 .232 .203 .151 .118 .086 .060 .040 .006 .006 .002 .002 .002 .003	215 230 249 288	.0125 .0250 .0500 .0750 .1200 .1200 .2200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 .3200 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-1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195 -1.4195	α = 1.203 -1.188 -1.174 -1.203 -1.181 -1.210 -1.226 -1.1239 -1.226 -1.136 -1.136 -1.123 -1.079 -1.0023 -1.093 -1.079 -1.079 -1.079 -1.079 -1.079 -1.079	-, 959 -1,005 -, 991 -, 982 -, 992 -, 992 -, 992 -, 993 -, 991 -1,007 -, 998 -, 998 -, 997 -, 998 -,	5 = 6 -804 -854 -858 -861 -859 -859 -859 -859 -859 -859 -859 -859	721 720	0500 .0000 .0125 .0250 .0500 .0750 .1500 .2500 .3500 .4500 .5500 .6000 .7000 .7000 .7000 .7000 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Lower surface	*0125	.628 .752 .895 .830 .708 .647 .590 .546 .476 .438 .382 .382 .333 .381 .285 .333 .341 .295 .245 .245 .295 .245 .295	.707 .724 .690 .656 .616 .521 .480 .437 .395 .353 .329 .314 .296 .323 .276 .323 .278 .313 .323 .329 .313 .329 .331 .331 .331 .331 .331 .331 .331 .33	.561 .606 .597 .568 .503 .462 .392 .366 .332 .311 .303 .346 .311 .303 .446 .311 .303 .300 .311 .300 .300 .300 .300	.457 .516 .519 .504 .486 .447 .331 .331 .288 .259 .229 .229 .031 .076 .031 .005 .003	.389 .456 .466 .457 .440 .370 .330 .276 .250 .222 .185 .148 .090 .052 .041 .017 -008	.316 .345 .359 .318 .303 .226 .215 .164 .007 -097 -097 -1093 -183 -183 -220 -226 -2298	.620 838 1.026 .931 .802 .752 .700 .648 .577 .555 .450 .453 .454 .408 .360 .402 .404 .402 .268 .355 .303 .303 .303 .303 .303 .303 .303	•392 •349 •306 •250 •191	543 635 6643 634 554 557 521 488 460 442 418 397 387 367 502 251 202 251 203 203 203 203 203 203 203 203 203 203	•123 •068 ••053	.025	. 369 . 375 . 347 . 341 . 297 . 208 . 220 . 175 . 116 . 021 025 038 100 121 139 139 139 139 139 139 139 139	.0250 .0500 .0750 .1000 .2000 .2500 .3000 .3500 .4000 .4000 .5500 .5500 .6000 .7500 .8500 .7500 .8500 .8500 .8500	

 $\mbox{TABLE II.- Continued}$ PRESSURE COEFFICIENTS, WING WITH DEFLECTED AILERON, $\delta_{\mbox{N}}=7.5^{\circ}$

П	Fraction					Pr	essure coef	ficient, Cp	, at					Fraction	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	of chord	
Opper surrace	-10500 -1000 -10125 -1025 -1025 -1000 -11500 -11000 -1500 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -1500 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -15000 -	M = -069 -191 -155 -091 -026 -001 -009 -035 -035 -045 -065 -101 -117 -178 -240 -295 -274 -223 -202	1.03 .493 -018 .008 .001 -017 -039 -069 -084 -101 -124 -191 -134 -191 -134 -191 -134 -191 -124 -191 -124 -191 -124 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191 -191	α = 0 .589 -030 -039 -025 -024 -046 -067 -070 -121 -112 -135 -156 -166 -166 -166 -163 -573 -573 -531 -433 -230	.421 -040 -055 -053 -061 -054 -100 -121 -130 -121 -130 -173 -186 -173 -186 -173 -181 -151 -229 -331 -433 -443	6 = 7.2 .571 -089 -098 -0991 -095 -093 -1127 -138 -1161 -174 -206 -220 -221 -237 -281 -237 -281 -334 -347	*464 -141 -113 -133 -139 -131 -138 -138 -138 -138 -138 -138 -207 -221 -221 -227 -227 -227 -227 -227 -22	M: -084 -198 -027 -140 -136 -113 -113 -113 -113 -114 -146 -146 -146 -147 -173 -173 -173 -173 -173 -173 -173 -17	286 -568 -355 -2211 -174 -179 -160 -179 -176 -183 -195 -216 -183 -2210 -569 -418 -342 -342 -322	α = , 505 -836 -751 -2291 -2291 -2297 -2390 -231 -220 -231 -224 -245 -257 -259 -2607 -591 -519 -427	022 918 883 474 413 282 262 268 275 275 304 315 326 476 326 476 346 476 463	6 = 7, -407 -980 -921 -871 -871 -871 -872 -787 -387 -287 -387 -387 -387 -387 -387 -387	159 -1.066 -1.005 -1.005 -3.967 -9.930 -8800 -8842 -3.18 -3.07 -3.318 -3.07 -3.322 -4.02 -3.35 -3.35 -3.35 -3.35 -3.328 -3.213	- 0500 0000 0125 0250 0350 0350 1000 2500 2500 3500 4500 4500 4500 4500 4500 4500 4	Upper surface
Lower surface	*0125 *0250 *0500 *07750 *1000 *2000 *3000 *3000 *3500 *4500 *5500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 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*6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500	.132 .109 .091 .064 .018 .010 .002 .010 .002 .010 .008 .009 .008 .009 .008 .009 .008 .009 .008 .009 .009	.032 .007 .020 .023 .008 .009 .001 .009 .021 .061 .071 .087 .116 .128 .139 .107 .258 .005 .015	.007 -004 .005 -006 -015 -031 -046 -085 -089 -111 -134 -156 -156 -156 -156 -134 -022 -239 -109 -037	.005 -047 -049 -080 -096 -107 -113 -143 -140 -174 -136 -09 -075 -009 -067 -169 -253 -155	047 064 085 081 125 148 149 182 189 199 168 061 013 154 156 154 154	026 080 113 165 165 120 120 120 127 177 207 226 227 249 249 249 249	*264 *251 *261 *227 *186 *166 *166 *175 *140 *0.099 *0.099 *0.033 *0.04 *0.015 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 *0.010 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.105 .092 .087 .067 .011 .016 .056 .067 .079 .079	.424 .370 .308 .241 .189 .164 .017 .017 .017 .018 .211 .238 .221 .225 .254 .254	**************************************	Lower surface
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140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 140 · 14	- 1.03 772 -1.039 -1.028 -1.002 -1.002 -3.995 -353 -281 -308 -308 -308 -308 -308 -308 -354 -305 -354 -305 -352 -352 -352 -352 -352 -352 -352 -352 -352 -352 -353 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 -365 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-4405 -918 -903 -8998 -890 -8998 -905 -913 -919 -929 -929 -929 -929 -913 -894 -731 -748 -731 -7691	-0661 -0666 -0662 -0657 -0555 -0697 -0631 -0633 -0638 -0631 -0633 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 -0638 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.5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5	Lower surface
Lower surface	*0125 *0250 *0350 *0750 *1000 *1500 *2900 *3900 *3500 *5900 *5900 *6900 *6900 *8900 *8900 *8900 *8900 *8900	.412 .437 .502 .461 .395 .335 .298 .241 .240 .179 .150 .162 .145 .152 .152 .165 .078 .031 .031	.541 .479 .412 .382 .353 .309 .276 .250 .211 .172 .159 .144 .144 .144 .144 .145 .203 .374 .245 .205 .209	.500 .455 .391 .353 .333 .285 .249 .195 .187 .187 .187 .189 .207 .246 .246 .255	.475 .438 .384 .324 .282 .272 .1217 .179 .179 .179 .179 .179 .179 .179 .1	.481 .447 .396 .360 .334 .263 I229 .167 .143 .055 .003 .055 .0037 .011 .024 .002 .003	.455 .414 .365 .321 .273 .236 .184 .185 .031 .037 .077 .129 .158 .207 .215 .220 .223 .223	*574 *656 *771 *721 *567 *515 *474 *408 *382 *326 *299 *309 *277 *252 *293 *337 *274 *274 *274 *274 *274 *274 *274 *27	.702 .675 .621 .579 .538 .490 .450 .416 .375 .335 .304 .276 .304 .276 .304 .311 .278 .239 .157	*603 *601 *5601 *495 *446 *408 *321 *329 *289 *289 *289 *289 *289 *289 *318 *263 *219 *219 *219 *219 *219 *219 *219 *219	*528 *547 *510 *482 *456 *413 *392 *393 *269 *259 *252 *230 *203 *203 *203 *203 *203 *203 *20	.491 .505 .482 .459 .433 .390 .292 .265 .245 .214 .184 .191 .067 .067 .045 .040	.432 .424 .415 .389 .316 .261 .223 .166 .016 .056 .024 .021 .075 .078 .130 .130 .145	*** 0125 ************************************	Upper surface

TABLE II.- Concluded ${\bf PRESSURE~COEFFICIENTS,~WING~WITH~DEFLECTED~AILERON,~} \delta_{\bf N} = 7.5^{\rm O}$

	Fraction					Pre	essure coef	ficient, Cp	, at					Fraction	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	chord	
		M =	1.03	α = 16	.8	δ = 6.7		M	= 1.03	α = 2	1.1	δ = 6.	6		
	0500	+154						.164						0500	
	•0000	•134	-1.003	-1.018	956	719	621	.027	-1.127	-1.121	-1.005	860	712	.0000	1
- 1	•0125	525	-1.170	976	962	978	685	843	-1.249	-1.101	-1.035	982	761 755	•0125 •0250	
- 1	.0250	629	-1.175	965	956	978	680	879	-1.242	-1.083	-1.032	978 982	756	.0500	1
	.0500	710		-1.002	962	982	689	905	-1.232	-1.115	-1.037 -1.035	979	756	.0750	П
- 1	.0750	689	-1.192	993	962	975	698	861	-1.238 -1.250	-1.090 -1.123	-1.032	952	756	.1000	П
- 1	•1000	630		-1.026	961	953	702	765	-1.250	-10147	-1.032	976	759	.1500	П
- 1	*1500	509		-1.085	985	990	716	627 561	-1.205	-1+174	-1.025	956	756	.2000	1
	•2000	427		-1.119	984	992 998	726 733	546	-1.041	-1.191	-1.047	936	756	.2500	П
	•2500	399		-1.124 -1.082	-1.003	970	727	534	848	-1.187	-1.049	918	753	.3000	1
	•3000 •3500	393 396		-1.123	-1.040	940	727	525	709	-1.174	-1.054	903	753	.3500	
	•4000	390			-1.052	932	728	520	629	-1.168	-1.048	898	753	.4000	П
	•4500	405			-1.046	936	724	530	595	-1.178	-1.038	899	752	.4500	П
	•5000	436		-1.132	-1.080	908	718	553	606	-1.191	-1.027	895	754	.5000	1
obbot	•5500	449	404	-1.048	-1.067	855	715	576	571	-1.162	-1.014	880	754	.5500 .6000	н
	•6000	475	468	933	943	843	713	616	607	-1.126	961	869	752 749	.6500	П
	•6500	479	454	755	920	843	708	613	597	-1.062	968 -1.014	850	749	.7000	1
	•7000	486	739	811	938	833	708	620	825	-1.070 963	985	839	749	.7500	П
	a7500	511	601	715	972	821	705	636	705 733	897	965	831	746	.8000	П
	.8000	557	615	669	-1.003	814	700	689 671	724	729	942	808	742	.8500	п
	·8500	548	604	635	988 963	790 770	695	641	672	698	942	792	739	.9000	П
-	•9000 •9500	485 500	564	627 465	951	777	689	625	635	-+586	952	811	735	•9500	ı
													THE REAL PROPERTY.		H
	•0125	.650	.757	.612	.508	.446	.368	.653	.760	.586	.463	• 382	.290	.0125	Т
	•0250	.789	.773	.655	.563	.504	.400	.870	.819	+675	.556	.480	.348	.0250 .0500	1
	•0500	.934	.739	+645	.563	.511	.418	1.051	.814	0695	•592	.516	.399	.0750	1
	•0750	.879	.706	.616	.547	.503	.405	.969	•791	.681	•591 •579	•527 •515	.407 .376	.1000	1
1	.1000	.761	.667	.596	.528	.483	• 366	.842	•758	.669 .630	.551	.490	.372	.1500	1
	. 1500	.701	.617	.550	.493	.447	.353	•791	•712 •668	•593	.534	.465	.334	.2000	1
	•2000	•660	.571	.511	.472	.415	•305	.740 .688	.629	+557	.494	.431	.307	.2500	1
-	•2500	.597	.533	.473	.426	.384	•270 •220	.616	.584	.525	. 465	.404	.260	.3000	1
D.	•3000	.526	.488	.442	•399 •375	•355 •321	•172	.594	.542	.499	.441	.374	.215	.3500	1
ž	e3500	•505	.447	.416	.363	.301	.115	.575	.526	.478	.424	.355	.162	.4000	1
suriace	+4000 +4500	.488 .433	.433 .405	.400 .378	.338	.268	.079	•520	.497	0455	*395	• 321	a 126	.4500	
	•5000	•409	.378	.363	.322	.235	.025	.499	.466	.435	•375	.284	.070	.5000	
i i	•5500	•411	. 364	.360	.306	.197	030	.498	.448	+425	+357	• 246	.019	.5500	1
гомег	•6000	371	.347	.351	.277	.163	037	.449	.422	.408	+322	.215	.012	.6000 .6500	
ĭ	•6500	.324	. 368	.368	.240	.140	085	•393	.427	0417	• 281	•183	053 070	.7000	
	•7000	.387	.540	.488	.182	.103	099	*441	.603	0535	+226	•143	070	.7500	
	•7500	.405	.371	.360	.124	.090	116	.450	•429	.405	*165	•124 •106	095	.8000	1
	.8000	.358	.334	.304	.075	.074		.408	•391	0346 0295	•113 -•011	•075	135	.8500	1
	▶8500	.305	.293	.255	062	.055	150	•365	•347 •293	•240	037	•067	171	.9000	1
	•9000	•266	.243	.207	•000	.050	176	•324 •107	.237	*137	077	.000	223	.9500	1
	•9500	•050	.196	.101	009	009	223	•061		**31				1.0000	1
	1.0000	.034												1	_

 $\mbox{Table III}$ Pressure coefficients, wing with deflected Aileron, $\delta_{\mbox{N}}$ = -7.50

	Fraction					Pr	essure coef	ficient, Cp	, at					Fraction	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	of chord	
		M =	0.80	α = 0		δ =7 • 4		M :	0.80	α =	4 • 0	δ = -7.	4		
Upper surface	-0500 -0000 -0125 -0250 -0750 -11000 -2000 -2500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500 -3500	.030 .219 .068 .000 .003 .001 .021 .033 .040 .056 .055 .065 .065 .066 .065 .066 .065 .064 .064 .064 .064 .064	+453 050 030 018 036 053 079 007 094 1090 090 090 084 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 035 -035	.550 -066 -071 -058 -048 -069 -082 -085 -102 -099 -099 -096 -068 -068 -069 -017 006 289 -107 007 007 007 007 007 007 007	.392 050 050 055 061 049 064 075 076 076 021 005 021 007 005 021 008 023 018 023 019 027	. 468 035 035 035 036 061 061 062 064 064 065 052 052 052 052 053 010 001 033 043	-514 -021 -027 -001 -038 -050 -064 -088 -088 -088 -088 -088 -088 -088 -08	.015 .221 -081 -129 -209 -196 -1166 -164 -177 -184 -179 -180 -181 -181 -181 -194 -039 -042 -063	104 639 343 286 225 228 228 228 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 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218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218 218	7-132 715 594 472 377 349 254 237 221 176 116 1137 059 059 059 059 059 092 059 092 094 092 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094 094	- 382 - 779 - 616 - 511 - 4773 - 369 - 332 - 299 - 279 - 243 - 223 - 186 - 160 - 133 - 072 - 049 - 053 - 058 - 022 - 044 + 025 - 025	.272734677630584544544247389312220185141103069038023001	.054 600 534 466 442 392 360 340 340 319 257 215 215 179 179 160 129 15 020	-0500 .0000 .00125 .0250 .0500 .0750 .11000 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500	Upper surface
Lower surface	**0125** 0.250** 0.250** 0.750** 0.750** 1.500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500** 2.2500**	.132 .072 .072 .053 .032 -014 -030 .043 .0047 -105 -126 -126 -126 -216 -214 -132 -214 -132 -214 -216 -224 -224 -224 -224 -224 -224 -224 -22	-011 -012 -012 -013 -037 -004 -059 -113 -119 -125 -145 -153 -179 -225 -142 -244 -287 -204 -142 -142	-027 -0042 -0333 -0049 -0552 -0772 -0866 -1104 -1126 -136 -144 -161 -187 -203 -224 -267 -833 -058 -1054 -001	-056 -0095 -086 -094 -1104 -1124 -1124 -1148 -1182 -193 -212 -221 -222 -221 -224 -1247 -1247 -1254 -115 -001	-1106 -1118 -1127 -1127 -1142 -1158 -1158 -1183 -1187 -185 -180 -1170 -1144 -139 -0027 -0042	-133 -120 -142 -167 -1145 -154 -154 -128 -149 -141 -128 -123 -116 -1114 -091 -099 -062 -037	.287 .251 .250 .215 .217 .217 .218 .218 .218 .229 .208 .204 .203 .206 .203 .206 .206 .206 .206 .206 .206 .206 .206	.330 .253 .191 .162 .103 .074 .053 .010 010 010 018 053 061 072 108 158 592 284 161 013	- 326 - 259 - 199 - 160 - 135 - 0092 - 0084 - 0063 - 0094 - 1155 - 1158 - 193 - 0674 - 0245 - 038 - 005	. 320 . 251 . 192 . 154 . 122 . 074 . 057 . 003 056 051 064 097 114 130 115 1186 131 075 084 131 075 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 093 0	.337 .260 .195 .146 .109 .073 .034 .014 .013 .039 .008 .077 .097 .087 .087 .087 .080 .087 .098 .098 .098 .098 .098 .098 .098 .098	. 333 268 211 148 089 0063 0014 -0017 -0059 -0089 -0089 -0089 -0089 -009 -0089 -009 -00	.0125 .0250 .0250 .0750 .1000 .1000 .1200 .2200 .3300 .3500 .4500 .4500 .5000 .5000 .5000 .7000 .8500 .7000 .8500 .7000 .8500 .7000 .8500 .7000 .8500 .7000 .7000 .7000	Lower surface
Upper surface	0500 -0000 -0125 -0250 -0250 -03500 -0700 -1500 -2000 -3000 -3000 -3500 -4000 -5000 -5500 -6000 -7500 -8500 -7500 -8500 -8500 -7500 -8500 -7500 -8500 -8500 -7500 -8500 -7500 -8500 -7500 -8500 -7500 -8500 -7500 -8500 -7500	-007 -194 -359 -450 -450 -450 -354 -358 -333 -310 -300 -292 -243 -215 -112 -094 -092 -060 -033 -015	994 -1.137 -1.149 -1.180 -1.219 -1.015388303334336303286276173188270022046052039017	-1.163 -1.039 -1.020 -1.027 -1.015 991 915 8631 481 305 226 104 009 235 .001 .029 .014 .023 .035	873851844835837823827827827827827826816700616494250125028031085	102 647 639 630 616 605 588 581 581 581 583 577 555 551 518 583 577 551 583	- 316 - 325 - 321 - 3315 - 3315 - 3315 - 295 - 2241 - 2268 - 225 - 2241 - 226 - 198 - 191 - 187 - 183 - 181 - 185 - 185 - 185 - 185	-045 -059 -655 -782 -872 -782 -632 -546 -500 -443 -418 -295 -264 -286 -187 -182 -181 -181 -181 -181 -181 -181 -181	-1.570 -1.632 -1.6691 -1.715 -1.696 -1.431 -579 -4.45 -328 -328 -328 -324 -279 -223 -223 -177 -083 -177 -095 -060	-1.438 -1.260 -1.265 -1.292 -1.269 -1.306 -1.376 -1.366 -1.377 -1.268 -1.149 -2.4653 -490 -492 -653 -490 -492 -051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051 -1.051	777710706708721721781809773773775774719675729548820806	δ = -7. -420 -602 -602 -602 -602 -603 -599 -591 -565 -547 -510 -500 -490 -478 -463	373 367 357 357 357 346 331 321 311 305 293 284 272 264 272 264 272 242 242 242 242 242 242 242	-0500 -0000 -00125 -0250 -0250 -0250 -0250 -0250 -0250 -0250 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -02500 -025	Lower surface
Lower surface	**************************************	.428 .413 .452 .406 .336 .292 .229 .173 .162 .144 .108 .062 .048 .036 .017 .110 .111 .0664 .062 .052	.495 .443 .373 .334 .292 .245 .205 .175 .135 .100 .092 .067 .015 -083 .574 -265 .111 -074 -055 -023	.447 .411 .351 .306 .276 .225 .181 .145 .085 .002 .035 .002 .029 .080 .117 .556 .105 .051 .052	.416 .404 .3399 .295 .261 .204 .122 .005 .003 .003 .001 .004 .007 .008 .008 .009 .009 .009 .009 .009 .009	.418 .391 .336 .295 .258 .202 .161 .134 .005 .005 .007 .007 .001 .028 .005 .005 .007 .001 .001 .001 .001 .001 .001 .001	.412 .367 .307 .204 .172 .113 .071 .073 .008 .008 .032 .038 .073 .073 .008 .079 .079 .079 .096 .096 .096	.487 .529 .630 .575 .482 .375 .338 .274 .258 .236 .194 .142 .131 .103 .074 -025 -082 -082 -082 -088	.559 .549 .496 .454 .412 .359 .311 .275 .235 .191 .178 .145 .111 .083 .034 .024 .028 .025 .028 .035 .035 .035 .035 .035 .035 .035 .035	.459 .477 .446 .405 .379 .326 .281 .240 .200 .166 .138 .105 .064 .030 .027 .07 .07 .07 .07 .092 .092 .092	.424 .446 .411 .376 .347 .293 .203 .106 .062 .033 .002 .044 .079 .052 .079 .052 .079	.402 .415 .3866 .355 .321 .278 .228 .189 .121 .101 .072 .041 .012 .015 .030 .070 .070 .070 .070	.390 .367 .340 .250 .216 .112 .065 .028 .031 .031 .031 .031 .042 .043 .044 .044 .044 .044 .044 .044 .044	*0125 .0250 .0250 .0550 .0750 .1000 .2500 .2500 .3500 .4500 .4500 .5500 .6000 .6500 .7500 .8500 .7500 .8500 .9500 .8500 .9500	Upper surface

 ${\bf TABLE~III.-~Continued}$ PRESSURE COEFFICIENTS, WING WITH DEFLECTED AILERON, ~ $\delta_{\bf N}$ = -7.50

	Fraction					Pr	essure coef	ficient, Cp	, at					Fraction	T
	chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	chord	
T		М :	0.80	α = 1	6 • 5	δ = -7.	7	M =	0.80	α = 2	20.6	δ = -7.	9		
	0500	097						098						0500	
	+0000 +0125	152 -1.096	-1.802 -1.851	-1.203 -1.203	828 816	625 645	408	287	937 936	7.927 898	829 799	812 720	540 536	.0000	1
	.0250	-1.215	-1.868	-1.203	814	639	-+408	948	-4936	891	799 799	705	535	.0250	1
	*0500 *0750	-1.288 -1.247	-1.836 -1.768	-1.211 -1.185	804	628	408	938	934 930	893 884	800	691	532 530	.0500 .0750	1
	•1000 •1500	-1.134 912	-1.734 -1.687	-1.195 -1.187	797 783	628 620	-•401 -•401	941 923	932 932	894 888	815	667 678	529 529	*1000 *1500	1
	.2000	683	-1.438	-1.173	768	609	397	912	927	884	784	-0672	526	.2000	1
	• 2500 • 3000	649 651	-1.193 988	-1.149 -1.122	757 741	599 588	393 393	887 838	925 910	884	772 763	-+660 -+651	526 525	.2500 .3000	1
	·3500	605	833	-1.094	735	578 567	392 385	779 745	-+905 -+883	873	756 751	646	525 525	. 3500 . 4000	1
	4000 4500	570 550	692	-1.036 996	724 717	559	380	725	860	855	745	632	523	.4500	1
	•5000 •5500	530 482	560 486	958 890	710 694	552 544	377 372	707 675	845 824	845 831	736 727	624	523 522	+5000 +5500	П
	•6000	428	429	840	675	538	370	672	791	819 804	702 702	608	520 520	.6000 .6500	1
	*6500 *7000	348	371 303	779	682 698	532	365	627 585	758 693	821	709	599	519	.7000	П
	.7500 .8000	265 236	269 247	726 656	589 577	520 513	360	539 501	-•677 -•650	793 765	683 650	591 584	513 509	.7500 .8000	1
	a 8500	170	225	599	782	500	356	416	614	751	672	572	508	a 8500	1
	•9000 •9500	127 090	191 143	532 459	813 848	484 496	351 352	333	-+556 -+494	735 722	739 765	562 569	506 494	.9000 .9500	1
	•0125	.516	•574	.436	•374	.347	•331	•523	•598	.424	•330	. 286	• 251	•0125	t
	●0250 ●0500	.631 .801	+615 +596	•511 •511	• 446 • 451	.409 .413	+336 +345	•730 •925	•670 •668	+532 +552	• 427 • 461	•384 •416	•282 •323	.0250 .0500	
	•0750	.733	• 560 • 522	.485 .467	.431 .411	•398 •373	• 322 • 273	.825 .695	+643 +609	+538 +524	*454 *442	.416 .401	•314 •277	*0750 *1000	1
	*1000 *1500	.612 .553	.470	.417	.366	.329	+245	+642	.557	*478	.403	.365	.256	.1500	
	+2000 +2500	.490 .448	.418 .381	•372 •329	•334 •277	.289 .248	•185 •143	•590 •535	•508 •468	.438 .392	•374 •319	• 327 • 290	.202 .156	.2000 .2500	1
	a 3000	.380	.333	.287	.237	.213	.089 .046	.461 .438	+417	+348 +313	• 282 • 243	•252 •217	*102 *057	+3000 +3500	1
	.3500 .4000	•360 •331	.288 .266	•249 •220	•199 •169	•176 •151	003	.404	•371 •344	.276	.209	.190	.005	.4000	1
	.4500 .5000	•283 •232	• 231 • 192	•181 •133	.122 .089	.121 .080	029 069	•354 •303	•307 •262	+237 +185	*163 *122	*155 *115	027	.4500 .5000	1
	ø5500	.217	.155	.094	.050	.046	096 103	•288 •236	+218 +155	+139 +065	*079 *022	.079 .044	113	*5500 *6000	1
1	.6000 .6500	•177 •129	.099 .022	.026 040	003	010	154	166	•073	009	031	.013	183	.6500	1
	.7000 .7500	•013 ••022	493 122	398 116	068 048	053	154	.038 .010	-+576	369 109	057 042	-+035	192 208	.7000 .7500	1
1	.8000	037	074	085	060	090		010	066	098	063	082		.8000	1
	.8500 .9000	042	061 068	070 075	107 170	121 130	195	035 100	080	106 140	120 192	121 138	260 299	.9000	1
	1.0000	072 142	068	098	185	210	271	172 356	167	235	211	227	-:360	1.0000	
7:		M :	0.90	α =	0.3	δ = -7 • 4	4		0.90	α =	4.0	δ = -7.	4		
	-•0500 •0000	.035 .230	+468	.555	•374	•485	•459	.037 .248	.065	.093	304	•268	.088	0500 .0000	1
	*0125 *0250	•158 •084	045	082 085	099	131	080	019 078	790 483	741 605	887 723	863 784	583	.0125 .0250	1
i	.0500 .0750	.010 .007	021 030	069	089	093	046 082	180 163	-•293 -•235	484 383	583 550	734 695	518 492	.0500 .0750	1
	•1000	.008	053	087	081	085	091	150	232	345	454	646	474	.1000	1
	•1500 •2000	021 032	083 073	105	108 101	103 101	110 132	148 155	240	321 309	398 359	579 492	449 421	*1500 *2000	П
	.2500	043	101	131	109	097	150	167	231	303 298	339 290	401	389 349	•2500 •3000	1
	•3000 •3500	063	111 127	134 134	099	094	142	-•183 -•171	-•229 -•251	288	253	318 254	314	.3500	
	44000 44500	080 110	118 123	107 103	080	095 092	128 117	180 220	248 247	250 229	-•207 -•172	211 185	288 263	*4000 *4500	1
	•5000	118	121	080	046	092	104	238	237	182	140	170	240	.5000	1
	+5500 +6000	100 096	067	042	007 .001	096	086	213 195	-•167 -•127	122 073	087 072	156 129	214 200	.5500 .6000	ı
		079	.004	.057 .285	-0017 -0001	092	077 018	133 087	-e054 e092	002 .219	051 060	119 082	177 152	.6500 .7000	1
	*6500 *7000	043			027	032	026		.013	.070	074	041	133	• 7500 • 8000	1
	€7000 €7500	043 .004	•177 •072	•122	004	016	.003	060		.030	0/4	010		.8500	
	.7000 .7500 .8000	043 .004 .001 012	.072 .027	.063 .031	004 .012	018 .003	.003 .011	065 055	-+020 -+035	.030	044	-•019 •002	087		1
	47000 47500 48000	043 .004 .001	.072 .027	.063	004	018	.003	065	020	.030				.9000 .9500	
	*7000 *7500 *8000 *8500 *9000 *9500	043 .004 .001 012 036 015	.072 .027 .002 007 007	.063 .031 .023 .027	004 .012 .033 .040	018 .003 .030 .045	.003 .011 .035 .066	065 055 040 018	020 035 032 016	.030 .002 .008 .024	008 .016 .036	.002 .031 .047	087 067 032	.9000 .9500	
	•7000 •7500 •8000 •8500 •9500 •0125 •0250 •0500	043 .004 .001 012 036 015	.072 .027 .002 007 007	.063 .031 .023 .027	004 .012 .033 .040	018 .003 .030 .045	.003 .011 .035 .066	065 055 040 018	020 035 032 016	.030 .002 .008 .024	008 .016 .036	.002 .031 .047	087 067 032 .341 .280 .219	.9000 .9500 .0125 .0250 .0500	
	*7000 *7500 *8000 *8500 *9500 *9500 *0125 *0250 *0500 *0750	043 .004 .001 012 036 015	.072 .027 .002 007 007	-063 -031 -023 -027 -037 -030 -044 -044	004 .012 .033 .040	018 .003 .030 .045	.003 .011 .035 .066	065 055 040 018	020 035 032 016	*030 *002 *008 *024 *331 *262 *209 *164 *141	008 .016 .036	.002 .031 .047	087 067 032	.9000 .9500 .0125 .0250 .0500 .0750 .1000	
	*7000 *7500 *8000 *8500 *9000 *9500 *0125 *0250 *0500 *0750 *1500	043 .004 .001 012 036 015 .150 .112 .089 .068 .040	.072 .027 .002 007 007 009 029 031	-0020 -037 -023 -027	004 .012 .033 .040 031 075 076 087 104 124	018 .003 .030 .045 071 100 111 115 138	-003 -011 -035 -066 -099 -113 -136 -185 -220 -204	065 055 040 018 018 303 .271 .271 .235 .184 .150	020 035 032 016 .340 .262 .204 .191 .156 .118	.030 .002 .008 .024 .331 .262 .209 .164 .141	-008 016 036 -327 -255 199 155 126 075	.002 .031 .047	-:087 -:067 -:032 :341 :280 :219 :149 :087 :062	.9000 .9500 .0125 .0250 .0500 .0750 .1000	
	*7000 *7500 *8000 *8500 *9000 *9500 *0125 *0250 *0500 *0750 *1500 *2500	043 .004 .001 012 036 015 .150 .112 .089 .068 .040 .001 030	.072 .027 .002 007 007 007 009 029 031 006	.063 .031 .023 .027 020 037 030 044 044 073 090 107	004 .012 .033 .040 031 075 076 087 104 125 147	018 .003 .030 .045 071 100 111 115 138 160 180	.003 .011 .035 .066 099 113 136 185 220 204 231 272	-*065 -*055 -*040 -*018 -*303 *271 *271 *271 *235 *184 *150 *141 *107	020 035 032 016 .340 .262 .204 .191 .156 .118 .088	.030 .002 .008 .024 .331 .262 .209 .164 .141 .097 .063	-008 016 036 -327 255 199 155 126 075 057 004	*334 *257 *189 *141 *104 *065 *021	087 067 032 .341 .280 .219 .149 .087 .062 .001 047	.9000 .9500 .0125 .0250 .0500 .0750 .1000 .1500 .2500	
	*7000 *7500 *8000 *8500 *9000 *9500 *0125 *0250 *0500 *0750 *1000 *2000	043 .004 .001 012 036 015 .150 .112 .089 .068 .040 .001 030 036	.072 .002 .007 .007 .007 .001 .001 .001 .009 .029 .031 .046 .061 .085	.063 .031 .027 .027 020 037 030 044 073 090 107	004 .012 .033 .040 031 075 076 087 104 124 125 147	018 .003 .003 .045 071 100 111 115 138 160 180 180	003 011 035 066 099 113 136 185 220 204 231 272 272 272	065 055 040 018 303 .271 .271 .235 .184 .150	020 035 032 016 .340 .262 .204 .191 .156 .118	.030 .002 .008 .024 .331 .262 .209 .164 .141 .097	008 .016 .036 .036 .327 .255 .199 .155 .126 .075	.002 .031 .047 .334 .257 .189 .141 .104 .065	-:087 -:067 -:032 -:341 :280 :219 :149 :087 :062 :001 -:047 -:090	.9000 .9500 .0125 .0250 .0500 .0750 .1000 .1500 .2000	
	*7000 *7500 *8500 *8500 *9500 *9500 *0125 *0250 *0500 *0750 *1000 *2500 *3000 *3500 *4000	043 .004 .0011 012 036 015 .150 .112 .089 .068 .040 .001 030 042 060	.072 .027 .002 007 007 007 026 001 009 029 031 046 061 085 114	-063 -031 -023 -027 -037 -030 -044 -044 -073 -090 -107 -128 -139 -145	004 .012 .033 .040 031 075 076 087 104 125 147 171 189 207	018 .003 .030 .045 071 100 111 115 138 160 192 213 239 250	.003 .011 .035 .066 099 113 136 185 220 204 231 272 231 193 193	065 055 040 018 .303 .271 .271 .235 .184 .150 .141 .107 .069	-020 -035 -032 -016 -340 -262 -204 -191 -156 -118 -088 -065 -032 -002 -004	*030 *002 *008 *024 *331 *262 *209 *164 *141 *097 *063 *032 *006 -*013	-008 016 036 037 255 199 155 126 075 007 004 -026 -053 -073	.002 .031 .047 .334 .257 .189 .141 .104 .065 .021 010 038	087 067 032 -341 .280 .219 .087 .062 .001 047 090 105	.9000 .9500 .0125 .0250 .0500 .0750 .1000 .1500 .2500 .2500 .3500 .4000	
	*7000 *7500 *8000 *8500 *9500 *0125 *0250 *0500 *0750 *1000 *1500 *2000 *2500 *3500 *4500	043 .004 .0011 012 015 .150 .112 .089 .068 .040 .001 030 030 042 060 060	.072 .027 .002 007 007 007 009 029 031 046 061 085 114 112 130	-063 -031 -023 -027 -037 -030 -044 -073 -090 -107 -1128 -139 -145 -162	004 .012 .033 .040 031 075 076 087 104 124 125 147 171 189 207 232	018 .003 .030 .045 071 100 111 115 138 160 180 192 213 239 250 272	003 .011 .035 .066 099 113 136 185 220 204 231 272 272 273 193 193	065 055 040 018 303 271 271 235 184 150 141 107 069	-020 -035 -032 -016 -340 -262 -204 -191 -156 -118 -088 -065 -032	*030 *002 *008 *024 *331 *262 *209 *164 *016 *006 *006	008 .016 .036 .327 .255 .199 .155 .126 .075 .057 .004 026 053	.002 .031 .047 .334 .257 .189 .141 .104 .065 .021 010 038	087 067 032 .341 .280 .219 .149 .087 .062 .001 047 090 105	.9000 .9500 .0125 .0250 .0500 .0750 .1000 .1500 .2000 .2500 .3500 .4500 .4500	
	*7000 *8500 *8500 *9500 *9500 *0750 *0750 *0750 *11000 *2500 *3500 *4000 *5500 *5500	-0.43 .004 .001 -0.012 -0.036 -0.015 .150 .112 .089 .068 .040 .001 -0.030 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042 -0.042	.072 .027 .002 007 007 .026 .001 .009 029 031 046 065 114 112 130 153	-063 -031 -027 -020 -037 -030 -044 -073 -090 -107 -128 -139 -142 -189 -203	004 4012 4033 .040 031 075 076 087 104 124 125 147 171 189 207 232 246 269	018 .0030 .030 .045 071 100 111 115 138 160 192 213 225 272 272 274 300	003 .011 .035 .066 099 113 136 185 220 220 231 272 239 193 158 141	065 055 040 018 303 .271 .271 .235 .184 .150 .141 .107 .069 .069 .051 .008 022 050	-020 -035 -032 -016 -340 -262 -204 -191 -156 -118 -085 -032 -002 -002 -002 -005	.030 .002 .008 .024 .331 .262 .209 .164 .141 .097 .063 .032 .006 -013 030	008 .016 .036 .036 .327 .255 .199 .155 .126 .075 .057 .004 053 073 111 136 167	.002 .031 .047 .334 .257 .189 .141 .005 .021 -010 -6038 -070 -105 -125	087 067 032 .341 .280 .219 .149 .087 .001 047 090 105 125 107 110	.9000 .9500 .0125 .0250 .0750 .1000 .1500 .2000 .2500 .3500 .4500 .5500	
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.075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075 .075	*002 031 047 *334 *257 *189 *141 *104 *005 *001 *0038 *007 *105 *105 *105 *105 *105 *105 *105 *105	087 067 032 .341 .280 .219 .149 .087 .062 .001 047 090 105 125 107 107 107 107	.9000 .9500 .0125 .0250 .0500 .0750 .1000 .2000 .2500 .3500 .4000 .4500 .5500 .6500	
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*119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119 *119	087 067 032 .341 .280 .219 .087 .005 .001 047 090 105 107 107 107 108 081 091	.9000 .9500 .0125 .0250 .0550 .0750 .1000 .2500 .2500 .3500 .4500 .5500 .5000 .5500 .6000 .6000 .7500 .7500	
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 $\label{eq:table-iii} TABLE~III.-~Continued$ PRESSURE COEFFICIENTS, WING WITH DEFLECTED AILERON, $~\delta_{N}=-7.5^{O}$

	Fraction					Pre	ssure coe	fficient, C _p ,	at					Fraction of	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	.95b/2	chord	
	-+0500	M =	0.90	α = 8		δ = -7.5		.015	0.90	-	2.0 8			0500	
Upper surface	-0500 0000 0125 02250 00500 0750 1000 2500 03500 04500 04500 05500 05500 05500 05500 05500 05500 05500 05500 05500 05500	.033 .244 222 297 445 420 374 336 313 341 385 350 370 385 385 385 297 167 127 075 029	605 -1.091 992 829 453 328 371 369 379 369 341 280 163 057 062 062 063 057	885 -1-033 988 968 923 905 855 780 691 691 434 380 232 221 023 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 280 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Lower surface	.9500 .0125 .0250 .0350 .0750 .1000 .2000 .2000 .3500 .3500 .3500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500	029 .448 .431 .467 .423 .349 .349 .305 .263 .240 .183 .175 .155 .068 .055 .048 .078078078078	*506 *A46 *375 *341 *303 *256 *211 *183 *107 *071 *042 *024 *0016 *073 *379 *379 *379 *379 *379 *379 *379 *3	**************************************	*112 *993 *322 *280 *250 *174 *113 *0047 *0072 *018 *047 *072 *018 *047 *072 *018 *047 *072 *018 *047 *072 *018 *047 *072 *018 *047 *072 *018 *047 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 *072 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 ${\bf TABLE~III.-~Continued}$ PRESSURE COEFFICIENTS, WING WITH DEFLECTED AILERON, ~ $\delta_{\bf N}$ = -7.50

	Fraction					Pr	essure coef	ficient, Cp	, at					Fraction	Г
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	of chord	
		M =	0.94	α = 0	0.2	δ = -7 • 3	THA		= 0.94	α =	4.0	δ = -7.	4		T
Upper surface	-0500 0000 0125 0250 0550 0750 1000 2000 2000 2500 3000 3000 35000 6000 6000 6500 77000 77000 77500 8500	.051 .245 .182 .111 .040 .029 .029 .0015 .018 .027 .054 .064 .100 .130 .122 .055 .018 .025 .036 .040 .040 .040 .040 .040 .040 .040 .04	.489 -0015 -015 -016 -015 -036 -064 -095 -131 -1131 -1144 -153 -102 -088 -019 -1031 -033	•577 -073 •076 -078 -078 -058 -058 -080 -105 -115 -140 -150 -162 -162 -162 -058 -058 -058 -058 -058 -058 -058 -058	*382 *118 *122 *115 *105 *105 *134 *134 *115 *139 *124 *115 *098 *076 *008 *008 *008 *008 *008 *008 *008 *00	*471 -207 -138 -121 -121 -121 -121 -112 -112 -111 -111 -111 -120 -131 -095 -033 036 062	.528 -178 -109 -118 -129 -129 -129 -129 -129 -210 -196 -1171 -132 -094 -089 -003 -003 -003 -003 -003 -003 -003	.063 .270 .026 .023 -130 -123 -116 -121 -132 -138 -165 -146 -226 -229 -229 -224 -226 -210 -211 -226 -211 -226 -211 -226 -211 -226 -211 -226 -211 -226 -227 -227 -228 -229 -229 -229 -229 -229 -229 -229	*144 -0710 -521 -225 -193 -204 -211 -221 -221 -225 -246 -228 -218 -218 -218 -205 -075 -071 -053 -071	192 889 550 397 323 291 276 286 303 291 311 311 311 311 315 266 171 051 060 171 051 051 051 051 004 007	210 997 8788 551 522 448 386 386 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 389 38	.275 -1.239 -1.176 -1.176 -1.179 -1.029780423418405360275198162162016005031 .058	262 -1:194 -1:160 -1:090 -1:090 -1:092998827653578488380239146088088088088088088088088088088088088088	-0900 0000 0125 0250 0250 03750 1000 11500 2000 2000 2500 0500 05000 05000 05000 05000 05000 05000 05000 05000 05000 05000 05000 05000 05000 05000 05000 05000 05000 05000 05000 05000 05000 05000 05000 05000 05000 05000 05000 05000 05000 05000 05000 05000	Upper surface
Lower surface	*0125 *0250 *0500 *0750 *1000 *1000 *2000 *2500 *3500 *4500 *5500 *6500 *7500 *8500 *7500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500 *8500	*166 *129 *085 *055 *019 *000 *0021 *0029 *046 *057 *1120 *1120 *1120 *120 *120 *120 *120 *	.042 .018 .017 .008 .011 .015 .030 .050 .073 .073 .0102 .0102 .0102 .0119 .0147 .0147 .0147 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .0195 .019	005 020 014 029 035 059 076 097 117 135 148 168 183 217 237 794 507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 3507 350	003 059 064 079 115 115 115 117 211 221 221 226 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 236 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 $\mbox{TABLE III.- Continued}$ PRESSURE COEFFICIENTS, WING WITH DEFLECTED AILERON, $~\delta_{\mbox{N}}$ = -7.50

Т	Fraction					Pre	ssure coe	fficient, Cp	, at					Fraction of	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	chord	
	1		= 0.94	α = 16	7	δ =7.8		М =	= 0.94	α = 20	.9 δ	= -8.0			
Upper surface	**0500 **0000 **0000 **0125 **0250 **0500 **0750 **11000 **22000 **3500 **4500 **5000 **5500 **5000 **5500 **5000 **5500 **5000 **5500 **5000 **5500	.057 .041 -642 -765 -880 -785 -694 -6615 -558 -540 -540 -540 -443 -438 -443 -438 -438 -438 -273 -273	-1.216 -1.383 -1.380 -1.395 -1.411 -1.391 -1.450 -1.319 -906 -621 -458 -408 -408 -409 -3525 -492 -494 -441 -409 -3650 -261	-1.183 -1.142 -1.128 -1.125 -1.125 -1.128 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 -1.028 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Lower surface	**************************************	.614 .731 .864 .676 .615 .550 .439 .439 .434 .293 .280 .240 .185 .008 .014 .002 .014 .003 .014 .003	.294 .254 .219 .164 .088 389 149 051 045 080	.536 .580 .558 .535 .519 .447 .422 .378 .338 .303 .273 .232 .184 .071 .002 .634 .102 .043 .037 .043	.439 .492 .485 .460 .442 .394 .366 .268 .232 .199 .154 .019 -047 .007 .007 .007	.389 .436 .436 .418 .391 .270 .236 .202 .180 .119 .085 .060 .004 .006 .006 .006 .003 .033 .033	*350 *357 *373 *355 *305 *281 *189 *135 *008 *005 *-008 *-006 *-007 *-154 *-168 *-273	.597 .897 .997 .765 .714 .650 .603 .530 .597 .475 .425 .381 .396 .315 .239 .099 .092 .002 .022 .022 .023	.681 .741 .7734 .676 .625 .579 .535 .487 .441 .4377 .333 .234 .150 .001 .001 .001 .0075	406 037 013 011	.991 .482 .511 .505 .489 .454 .373 .336 .297 .286 .220 .184 .185 .086 .027 .008 .027 .008 .007	326 447 447 451 405 329 229 221 174 115 1093 1019 -007 -013 -083	. 2772 . 2555 . 3588 . 3322 . 3111 . 2655 . 2311 . 1775 . 1311 . 0702 . 0033 . 0020 . 0061 . 0069 . 1355 142 161 2055 302	*0125 *0250 *0250 *0750 *1070 *1500 *2000 *2300 *3900 *3900 *3900 *3900 *3900 *5900 *6500 *7500 *6500 *7500 *8500 *7500 *8500 *7500 *8500 *7500 *8500 *7500	Lower surface
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 ${\rm TABL\acute{E}~III.-~Continued}$ PRESSURE COEFFICIENTS, WING WITH DEFLECTED AILERON, $\,\delta_{\rm N}=$ -7.50

T	Fraction					Pre	essure coef	ficient, Cp	, at					Fraction of	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	chord	-
Oppor survey	-40500 +0000 +0125 +0250 +0250 +0750 +1000 +1500 +22000 +22000 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 +3500 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-1	916960998998998998996960960960967976978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978978	- 387 - 979 - 957 - 979 - 957 - 979 - 940 - 932 - 917 - 898 - 8873 - 852 - 853 - 854 - 864 - 873 - 765 - 765 - 752	554 558 5550 5452 535 529 510 510 486 442 412 412 413 4389 3387 389	0500 -0000 -0000 -0125 -0225 -0250 -0750 -1500 -2500 -3500 -4500 -5500 -7500 -7500 -7500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500	Upper surface
Lower surface	*0125 *0250 *0500 *0750 *1000 *13500 *2000 *3000 *3500 *5500 *5500 *5500 *6500 *7500 *8500 *8500 *8500 *1000 *1000	.488 .472 .506 .462 .386 .310 .281 .194 .103 .092 .154 .103 .072 .072 .013 .092 .074 .072 .013 .092 .074 .072 .016 .074 .072	.543 .478 .411 .378 .343 .294 .254 .221 .181 .141 .132 .105 .075 .075 .025 -019 -273 -273 -271 -189 -273 -273 -273 -273 -273 -273 -273 -273	*484 *440 *377 *335 *309 *258 *215 *178 *121 *100 *074 *009 *009 *046 *094 *680 *233 *192 *089 *288 *215 *215 *215 *215 *215 *215 *215 *215	.440 .416 .340 .298 .271 .218 .196 .135 .101 .068 .043 .002 .002 .008 -140 .313 .490 .442 .197 .003	.414 .372 .316 .271 .241 .184 .138 .096 .064 .022 .000 .037 .074 .111 .213 .295 .295 .289 .076 .076 .076 .076 .076 .076 .076 .076	*391 *340 *284 *275 *140 *080 *034 *035 *167 *201 *1256 *2292 *227 *3248 *277 *348 *275 *184	.598 .622 .700 .6045 .554 .554 .554 .554 .554 .554 .554 .	*654 *622 *561 *519 *476 *380 *3497 *255 *275 *175 *175 *175 *175 *175 *175 *175 *1	*553 *546 *498 *458 *428 *374 *329 *288 *252 *2194 *161 *100 *043 *046 *043 *046 *043 *046 *043 *046 *043 *046 *043 *046 *043 *046 *043 *046 *043 *046 *046 *047 *046 *047 *046 *046 *047 *046 *046 *046 *046 *046 *046 *046 *046 *046 *046 *046 *046 *046 *046 *046 *046 *046 *046 *046 *046 *046 *046 *046 *046 *046 *046 *047 *046 *046 *046 *046 *046 *046 *046 *046 *046 *046 *046 *046 *046 *047 *046 *046 *047 *046 *046 *047 *046 *047 *046 *047 *046 *047 *046 *047 *047 *046 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047 *047	.470 .480 .436 .400 .370 .289 .289 .191 .123 .078 .078 .003 -052 -100 .350 .048 .022 -032 -013	.428 .429 .392 .361 .330 .274 .226 .112 .081 .044 .002 .071 .003 .011 .004 .003 .011 .004 .003 .004 .003 .004 .006 .006 .006 .006 .006 .006 .006	.409 .386 .359 .326 .270 .245 .186 .144 .085 .037 .091 -137 -152 -162 -153 -190 -204 -260	*3500 *4000 *4500 *5000 *5500 *6500 *7000 *7500 *8000 *8500 *9000	Lower surface
Upper surface	-0500 0000 0125 0250 0550 0550 0550 0550	547 543 547 427 437 366	-1.086 -1.254 -1.243 -1.265 -1.279 -1.277 -1.204 -8849 -5566 -528 -511 -517 -543 -515 -517 -446 -379 -442 -422 -251	-1.134 -1.085 -1.071 -1.071 -1.107 -1.122 -1.122 -1.120 -1.120 -1.120 -1.162 -1.178 -1.178 -1.178 -1.178 -1.098 -726 -300 -300 -258 -097	967 -1.034 -1.033 -1.033 -1.033 -1.042 -1.054 -1.043 -1.042 -1.017 -1.011 994 991 953 971 993 911 953	728 929 916 916 909 857 781 769 753 740 723 715 708 708 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709 709	500530524527530532531517515521522532532532532532532532536571571578587								Town T
Lower surface	*0125 *0250 *0750 *0750 *0750 *1000 *1500 *25000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *350000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *350000 *350000 *350000 *350000 *350000 *350000 *350000 *350000 *350000 *350000 *350000 *350000 *350000 *3500000 *3500000 *3500000 *3500000000 *350000000000	.890 .824 .703 .6643 .575 .5469 .4520 .372 .312 .312 .312 .313 .312 .312 .312 .31	.376 .354 .320 .281 .247 .117 306 071 033 041	*564 *607 *592 *559 *538 *442 *400 *361 *296 *225 *212 *166 *100 *000 *000 *000 *000 *000 *000	026 026 .051 .051 .015	.450 .437 .346 .328 .289 .257 .221 .172 .142 .120 .093 .080 .047 .040	168								

 $\mbox{TABLE III.- Continued}$ PRESSURE COEFFICIENTS, WING WITH DEFLECTED AILERON, $\delta_{\mbox{N}}$ = -7.5°

	Fraction					Pr	essure coef	icient, Cn	, at					Fraction	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2		0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	of chord	
Н		M =			0.000/2	δ = -7 • 2			1.03			$\delta = -7.$		Chora	
Upper surface	-0.500	070 .183 .160 .097 .022 .026 .002009004031029070095070095070095070095070	-494 -1016 -1007 -1001 -1003 -1015 -1045 -1066 -1085 -109 -1108 -103 -103 -103 -103 -103 -103 -103 -103	-616 -035 -042 -026 -017 -039 -079 -106 -120 -120 -146 -161 -019 -255 -137 -035 -038 -028	*462 *070 *082 *073 *080 *072 *104 *115 *115 *115 *115 *046 *073 *046 *012 *012 *012 *070	-479 -171 -151 -142 -142 -144 -160 -172 -189 -1148 -208 -1064 -064 -064 -088 -083 -077 -091 -086	.660 -303 -279 -251 -220 -202 -208 -208 -208 -109 -110 -130 -105 -105 -124 -146 -146 -182 -130 -130 -130 -130 -130 -130 -130 -130	083 .197 .038039029125123106111108130122135160189210189210189210189213146	269 -571 -494 -178 -178 -175 -189 -185 -188 -220 -194 -2215 -145 -049 -106 -104	527 -837 -752 -288 -230 -246 -227 -225 -225 -225 -225 -226 -266 -241 -105 -1105 -1106 -104 -1079	.051910883447298299293276289293312329332329158066070091117090020	.382 -3995 -8937 -8846 -776 -4077 -309 -3316 -263 -3355 -369 -377 -362 -216 -1196 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1175 -1	049 -1.053 -1.050 -1.970 -1.9739 -894 -8843 -8737 -553 -421 -375 -336 -375 -336 -375 -360 -375 -3091 -0.04	-0500 .0000 .0000 .0123 .0250 .0500 .0750 .11000 .1500 .2500 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000	Upper surface
Lower surface	0125 0250 0500 0750 1000 2000 2350 4500 4500 6500 7500 6600 7700 8850 9950 1000	*138 *1094 *074 *024 *024 *020 *004 *001 *015 *0057 *084 *017 *095 *017 *017 *017 *017 *017 *017 *017 *017	.035 .011 .022 .022 .008 .002 .002 .006 .023 .036 .066 .081 .115 .114 .130 .439 .339 .312 .231 .232	.018 .007 .011 .003 .019 .003 .019 .052 .073 .0752 .0752 .0752 .0752 .114 .131 .126 .146 .156 .1584 .584 .584 .584 .5886 .376 .376 .376	-035 -0019 -027 -041 -055 -075 -075 -082 -1124 -1132 -1156 -1169 -1195 -126 -126 -1472 -4472 -4495 -444	.0051 .0084 .0219 .0084 .1088 .109 .1139 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147 .1147	.167 .100 .022 -032 -032 -071 -077 -181 -208 -243 -243 -243 -243 -246 -276 -276 -276 -276 -276 -276	.240 .243 .226 .285 .189 .169 .105 .098 .009 .009 .002 .002 .002 .002 .175 .188 .188	#329 #262 #212 #208 #173 #145 #102 #073 #032 #017 #006 #010 #024 #032 #017 #024 #032 #017 #018 #017 #018 #017 #018 #018 #018 #018 #018 #018 #018 #018	.340 .276 .218 .190 .167 .128 .094 .008 .0043 .028 .016 .002 .0017 .027 .054 .0512 .0512 .0512 .0512	.350 .275 .224 .189 .161 .113 .105 .057 .001 .028 .004 .069 .105 .099 .105 .219 .408 .408 .409	. 355 .284 .221 .176 .113 .071 .001 .001 .001 .001 .004 .0045 .0073 .009 .0114 .155 .226 .275 .275 .275 .276	.405 .353 .292 .221 .160 .142 .087 .007 .018 .239 .229 .336 .336 .336 .336 .336	.0125 .0250 .0500 .0750 .1000 .1000 .1500 .2500 .3500 .4500 .4500 .5500 .7500 .7500 .8500 .8500 .7500 .8500 .7500 .8500 .7500 .8500 .7500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500	Lower surface
Upper surface	-0500 0000 0125 0250 0350 0350 0350 0450 0250 0250 0250 0250 02500 03500 04500 05500 05500 05500 05500 05500 05500 05500 05500 05500 05500 05500 05500 05500		1.03 214 -1.025993531456350293205293288311259259307216168161142	472 -1.0067 980 8767 569 4884 426 313 353 353 341 043 0647 099 113 077	561 966 966 946 927 897 871 722 713 695 671 623 569 569 569 299 295 2465 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295	*058 -1.086 -1.018 -990 -966 -929 -894 -758 -758 -556 -556 -516 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2113 -2	- 652 - 808 - 797 - 780 - 779 - 779 - 779 - 779 - 695 - 653 - 651 - 653 - 651 - 598 - 656 - 759 - 759	120 1244 -185 -312 -470 -451 -424 -370 -223 -298 -307 -310 -348 -352 -367 -351 -264 -277 -318 -379 -348 -379 -348 -379 -348 -379 -348 -379 -348 -379 -348 -379 -348 -379 -348 -379 -348 -379 -348 -379 -348 -379 -379 -348 -379 -348 -379 -348 -379 -379 -348 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -379 -	-03 -1064 -10047 -10047 -10047 -10047 -970 -9710 -911 -517 -312 -296 -378 -371 -344 -371 -386 -283 -1144 -1199 -225 -225 -245	α = 1 -871 -945 -920 -930 -933 -925 -934 -927 -906 -8728 -711 -861 -347 -239 -106 -077 -113 -109	809894891891893894896910910910885787845787845787845	6 = -7. -315 -927 -905 -8992 -875 -8892 -8892 -8884 -8898 -8841 -8890 -817 -806 -707 -706 -706 -666 -666	516 509 509 509 499 497 493 490 474 470 458 440 423 407 382 382 370 382 370 382 370	-0500 .0000 .0125 .0250 .0500 .0750 .1500 .2900 .3900 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4	Lower surface
Lower surface	.0125 .0250 .0500 .0750 .11000 .22000 .3500 .4500 .5500 .6500 .7500 .6500 .7500 .6500 .7500 .8500 .7500 .8500 .7500	*416 *429 *506 *469 *390 *360 *330 *241 *226 *140 *140 *140 *036 *036 *036 *119 *1120 *1120 *1120 *1120	*542 *478 *411 *384 *352 *309 *275 *248 *210 *174 *168 *124 *109 *035 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *225 *388 *388 *388 *388 *388 *388 *388 *38	. 499 . 453 . 390 . 352 . 3352 . 2281 . 224 . 212 . 185 . 161 . 146 . 121 . 094 . 018 . 030 . 018 . 030 . 041 . 055	.472 .446 .375 .335 .263 .245 .190 .156 .036 .004 .0043 .0043 .0043 .0043 .0043 .0040 .0040 .0040 .0040 .0040 .0040 .0040 .0040	.457 .418 .364 .320 .294 .161 .130 .073 .072 .036 001 035 078 225 225 225 2172 .018	.448 .398 .245 .206 .116 .048 .011 .085 .121 .183 .218 .257 .280 .257 .280 .292 .301	4555 628 747 696 5389 480 480 488 378 342 296 257 256 204 1034 -0034 -004 -004 -0072	*683 *652 *552 *552 *561 *461 *418 *382 *285 *222 *197 *152 *408 *222 *408 *408 *408 *409 *409 *409 *409 *409 *409 *409 *409	*587 *578 *534 *493 *467 *416 *373 *332 *299 *270 *245 *210 *134 *072 *007 *571 *206 *134 *072 *090 *407 *407 *407 *407 *407 *407 *407 *40	.513 .520 .478 .443 .416 .364 .279 .241 .205 .175 .129 .002 .002 .002 .002 .047 .047 .083 .048	.471 .471 .435 .403 .370 .318 .274 .231 .197 .155 .130 .048 .052 .075 .039 .043 .049 .037 .045	.443 .419 .386 .361 .278 .226 .128 .025 006 040 075 101 114 114	.0125 .0250 .0750 .0750 .0750 .1000 .2500 .2500 .2500 .2500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500	Upper surface

 $\mbox{TABLE III.- Concluded}$ PRESSURE COEFFICIENTS, WING WITH DEFLECTED AILERON, $\delta_{\mbox{N}}$ = -7.5°

T	Fraction					Pre	essure coef	ficient, Cp	, at					Fraction	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	chord	
		M =	1.03	α = 16	.8	δ = -7.8									
	0500	•150												0500	
- 1	.0000	•112	995	-1.025	944	669	481							.0125	
1	.0125	516	-1.166	-6977	965	961	495							*0250	1
- 1	.0250	620	-1.169	965	960	958	490							*0500	1
- 1	•0500	710	-1.184	-1.001	959	956	967 485							00750	1
- 1	•0750	682	-1.183	988	963 961	945 941	483							e1000	
- 1	•1000	-0635	-1.170	-1.024	983	939	474							a1500	1
- 1	e1500	505	-1.207 -1.133	-1.084 -1.112	983	930	468							.2000	1 5
-	•2000	430 393	-1.133	-1.112	-1.004	928	461							.2500	13
- 1	• 2500 • 3000	395	503	-1.078	-1.017	925	456							.3000	
1	a3500	389	449	-1.105	-1.026	912	452							.3500 .4000	Transa mangage
- 1	.4000	400	430	-1.179	-1.017	882	-+447							e 4500	1 3
- 1	a 4500	425	436	-1.174	-1.021	854	441							•5000	1 3
	•5000	438	459	-1.128	-1.021	854	-+432							45500	1 5
	05500	451	416	-1.048	-1.006	846	424							+5500 +6000	1
- 1	06000	462	461	923	975	841	424							.6500	
1	•6500	451	387	696	-1.018	872	430							.7000	1
- 1	.7000	441	292	487	-1.045	874	439							e7500	1
- 1	e7500	370	316	371	998	877	444							e7500	1
	e8000	360	337	302	942	899	461							.8500	1
- 1	e8500	316	330	266	971	888	469							.9000	1
	ø9000 ø9500	278 241	311 245	154	-1.016	821	490							.9500	
	* 9500	-0244	- 02.45	***											H
		.656	.752	.612	•505	.443	.418							.0125	1
- 1	e0125	•790	.769	.652	•552	e492	.426							.0250 .0500	1
	•0500	.929	.730	.637	.544	.488	.439							.0750	
	•0750	.874	•698	•608	.524	.472	•422							.1000	
	•1000	.752	a657	.587	.498	.448	•377							.1500	
	•1500	+694	+604	.537	.453	.404	.358							.2000	
	.2000	•630	.557	.491	*426	*366	•309							.2500	
-	• 2500	•589	.518	.451	a368	•325	•272							.3000	1
,	•3000	.516	.469	.412	.330	•293	•171							.3500	
2	a3500	.500	.426	.376	a292	•258 •235	.118							a 4000	10
aditace	.4000	.466	.406	*345	4214	•207	.081							.4500	1
	a 4500	•416	• 370	•305 •262	.178	.182	.036							.5000	
	a5000	•384 •373	• 331 • 296	.217	•136	.160	020							•5500	1
	*5500 *6000	3311	• 243	.150	4081	.137	016							.6000	
	a6500	•237	.163	.081	•019	.125	057							*6500	1
	a7000	•122	258	550	131	.096	062							.7000 .7500	1
	•7500	•095	043	066	+118	.091	071							.8000	
	.8000	.066	.018	008	+108	.082								.8500	
	.8500	•057	031	.029	+069	.070	100							.9000	
	•9000	008	023	.061	.013	.077	108							•9500	
	•9500	050	002	.028	.010	.021	151							1.0000	1
	1.0000	039													1

table IV $\label{eq:pressure coefficients} \text{Pressure coefficients, wing with deflected alleron}, \ \ \delta_{\text{N}} = 15^{0}$

	Fraction					Pr	essure co	efficient, C	, at					Fraction	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	of chord	
		M =	0.80	α = ()•2	δ = .14 • 8			= 0.80	α =	4•1	δ = 14.	8		
Upper surface	-0500 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000 (0000))))))))	026 213 128 059 -020 -017 -042 -053 -063 -083 -115 -1140 -152 -148 -299 -282 -299 -276 -276 -276 -276 -276 -276 -276 -276	.454 -081 -061 -061 -074 -107 -107 -107 -1134 -1148 -1148 -1182 -1182 -170 -217 -271 -271 -271 -377 -276 -191 -377 -191	-540 -141 -124 -100 -090 -111 -125 -134 -160 -171 -181 -180 -207 -233 -259 -330 -330 -339 -24 -144 -048	+339 -207 -1202 -166 -1139 -1782 -182 -220 -245 -273 -274 -289 -372 -312 -312 -410 -328 -271 -328 -271 -328 -271	.443397276245231231247247256247256247219210210210210210210210210210210210210210210210210210210210	.812 -537 -351 -319 -229 -221 -221 -121 -162 -162 -151 -113 -109 -098 -044 -014 -014 -014 -008 -004	.002 .199 -117 -1271 -255 -236 -215 -209 -214 -227 -210 -230 -260 -271 -248 -303 -303 -304 -580 -471 -324 -326 -326 -327 -328 -328 -328 -328 -328 -328 -328 -328	215 687 496 343 315 308 296 281 290 281 290 281 290 281 290 281 290 281 290 281 290 281 290 281 290 281 290 281 290 281 290 281 290 281 290 315 362 1468 318 224 113	-344 -761 -701 -596 -504 -466 -410 -370 -350 -343 -350 -345 -322 -375 -423 -411 -112 -389 -253 -119 -253	701 911 851 798 697 594 502 494 479 461 447 468 439 488 439 391 334 263 105	.036 -1.060 -1.014 -995 985 954 912 708 603 511 438 384 344 316 274 272 208 160 133 099 063	671 665 657 645 633 523 599 572 548 461 435 413 396 385 385 3361 347 325 315 325 315 327	0500 .0000 .0125 .0250 .0250 .0750 .1500 .2000 .2250 .2000 .2500 .4000 .4500 .5500 .6000 .6000 .7700 .8000 .9000 .95000 .95000 .95000 .95000 .95000 .95000 .95000 .95000 .95000	Upper surface
Lower surface	0125 0250 0350 07750 11000 2500 2500 3500 4500 6000 6550 7500 8500 7500 8500 17500 8500 17500	*143 *102 *084 *063 *001 *002 *002 *002 *003 *003 *003 *003 *005 *002 *005 *002 *001 *001 *001 *001 *001 *001 *001	035 -005 -002 -012 -024 -034 -034 -037 -051 -051 -037 -007 1032 +131 +190 +142 +075 +075 +075 +075 +075 +075 +075 +075	.026 .007 .001 .001 .019 .035 .048 .042 .025 .074 .121 .203 .391 .218 .095 .068	075 018 008 -005 -007 -017 -023 -016 -016 -001 002 002 004 004 0074 0085 -120 -080 -080	*147 .087 .050 .040 .025 .009 .000 .003 .016 .027 .037 .050 .069 .069 .072 .072 .072 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .073 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074 .074	-201 -146 -093 -038 -008 -021 -059 -079 -090 -101 -101 -101 -079 -096 -101 -079 -096 -101 -079 -096 -096 -0079 -096 -0079 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -0090 -00	.293 .255 .261 .276 .176 .157 .109 .075 .075 .077 .027 .027 .027 .098 .122 .131 .074 .127 .129 .121	.347 .2711 .206 .177 .157 .090 .075 .052 .028 .035 .035 .058 .090 .181 .376 .221 .172 .172	.345 .280 .213 .175 .162 .123 .058 .058 .077 .093 .129 .165 .232 .410 .284 .205 .148	.360 .306 .246 .238 .178 .153 .148 .102 .095 .102 .095 .104 .113 .113 .113 .106 .016 .016 .017 .018	.388 .335 .278 .222 .200 .165 .140 .113 .088 .067 .013 .003 .003 .003 .003 .004 .003 .004 .003 .004 .003 .004 .003 .004 .004	.316 .257 .202 .153 .102 .049 .006 .029 -047 -078 078 109 109 077 077	.0125 .0250 .0950 .0750 .1000 .1500 .2000 .2500 .3500 .4500 .5500 .4500 .5500 .4500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500	Lower surface
Upper surface	0500 .0000 .0125 .0250 .0750 .0750 .11000 .11500 .2260 .3300 .4500 .5500 .5500 .5500 .5500 .5500 .7500 .8500 .7500 .8500 .7500 .8500 .7500 .8500 .7500 .8500 .7500 .8500 .7500 .8500 .7500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .85	M =006 a.1923684435605105103703703753653653663374073774464205100	-1.037 -1.179 -1.141 -1.184 -1.255 -1.038 -4.10 -342 -373 -383 -373 -378 -377 -361 -393 -449 -449 -445 -301 -203 -091	α = -1.231 -1.086 -1.066 -1.0673 -1.051 -1.059 -1.039 -872 -739 -603 -872 -3363 -3344 -378 -378 -342 -211 -129 -089	-1.076 -1.038 -1.030 -1.038 -1.033 -1.032 -1.047 -1.055 -1.071 -1.055 -1.072 -1.050 -1.013 -826 -826 -826 -825 -827 -826 -826 -826 -826 -826 -826 -826 -826	6 = 14.74218538321800792737714670670659576576533506459438434	498 471 465 462 456 456 456 451 441 414 406 397 379 374 366 356 353	M .087	-1.576 -1.634 -1.623 -1.673 -1.673 -1.673 -1.736 -1.705 -1.451602419388353356366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366366	α = 1 -1.425 -1.257 -1.257 -1.251 -1.261 -1.264 -1.350 -1.341 -1.290 -1.213 -1.120 -988 -855 -737 -6534 -590 -558 -1.251 -590 -5737 -427 -358	2.0 811762756768773767781785780755740755740755740755740755740755740755740755740755740755755740755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755755 -	5 = 14. 519632639639643643643643636624615577578579568547	- 523 - 509 - 503 - 501 - 501 - 501 - 499 - 499 - 500 - 508 - 508 - 508 - 508 - 519 - 519 - 519 - 518 - 521 - 521 - 521 - 521 - 508		Lower surface
Lower surface	**************************************	+433 +418 +461 +417 -348 -312 -220 -220 -220 -223 -197 -191 -156 -115 -115 -116 -118 -118 -118 -118 -118 -118 -119 -119	.506 .455 .390 .351 .312 .268 .226 .226 .174 .145 .150 .141 .135 .150 .249 .384 .227 .193 .227 .193 .193 .193 .193 .193 .193 .193 .193	.460 .433 .376 .331 .305 .260 .226 .190 .173 .175 .180 .206 .235 .461 .328 .252 .195 .148 .105	. 428 . 432 . 377 . 348 . 320 . 279 . 264 . 226 . 192 . 179 . 179 . 179 . 179 . 167 . 167 054 055 050 102 1120	.424 .424 .388 .357 .327 .276 .242 .209 .179 .150 .131 .001 .074 .045 .000 035 049 063 085 045	.379 .347 .307 .266 .212 .172 .109 .063 .014 .023 .067 .137 .177 .177 .177 .177 .213	.489 .529 .638 .583 .489 .441 .407 .278 .286 .272 .231 .190 .171 .197 .231 .222 .217 .158 .053 .120 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1217 .1	.562 .553 .503 .464 .424 .373 .325 .299 .225 .229 .225 .229 .214 .203 .214 .281 .293 .214 .293 .214	. 465 . 491 . 464 . 428 . 403 . 356 . 220 . 224 . 224 . 225 . 301 . 481 . 327 . 243 . 255 . 301 . 327 . 243 . 327 . 327	.418 .457 .494 .411 .381 .342 .325 .277 .254 .224 .224 .219 .014 .158 .129 .014 .178 .169 .178	.385 .417 .402 .382 .355 .310 .273 .234 .201 .169 .108 .070 .034 .001 .029 .074 .0120 .120 .120 .1246	.320 .311 .297 .268 .219 .181 .120 .071 .017 .028 .080 .104 .145 .176 .183 .233 .237 .243 .313 .372	*0125 00250 00500 00750 11000 22000 22000 22000 23000 33000 45000 45000 45000 77000 77000 15000 8500 9500 9500	Upper surface

T	Fraction					Pr	essure coef	fficient, Cp	, at				1074	Fraction	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	of chord	
Opper surrace	0500	M0791241.0771.2641.2641.081838704626545540520520541458454400627541227	-1.695 -1.695 -1.682 -1.662 -1.662 -1.621 -1.599 -1.528 -1.355 -1.191 -2.019 -2.019 -2.019 -2.029 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 -2.049 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*0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0097 *0	011025022036041060070086078059034 .001 .019 .209 .391 .275 .178 .069 .024	-008 -041 -041 -041 -047 -056 -060 -047 -038 -022 -008 -014 -038 -062 -078 -088 -009 -125 -189 -094 -100	.063 .021 .001 .002 .016 .029 .036 .038 .052 .054 .068 .068 .105 .113 .113 .113 .126 .077 .068 .014	*147 *096 *040 *040 *064 *-0064 *-1074 *-121 *-121 *-121 *-121 *-123 *-149 *-143 *-143 *-143 *-143 *-143 *-107 *-107 *-107 *-107 *-005 *-005 *-005	*307 *272 *274 *238 *183 *160 *077 *073 *040 *025 *025 *035 *086 *127 *152 *095 *152 *152 *152 *152 *152 *152 *152 *15	.345 .268 .210 .191 .159 .128 .091 .070 .022 .021 .022 .021 .022 .046 .189 .353 .259 .174 .084	.338 .273 .207 .174 .155 .117 .087 .064 .050 .048 .057 .069 .092 .131 .172 .246 .242 .300 .208 .147 .090	.354 .285 .233 .194 .169 .135 .099 .097 .094 .103 .114 .006 .103 .116 .112 .114 .006 .112 .114	.379 .319 .252 .228 .194 .155 .126 .1080 .057 .004 .021 .0007 .003 .059 .059 .069 .069 .069 .069 .069 .069 .069 .06	.359 .292 .234 .172 .121 .075 .018 .038 .086 .129 .169 .162 .164 .125 .142 .142 .084	#0125 #0290 #0500 #0750 #1000 #1500 #2000 #3000 #3000 #3000 #4000 #4000 #5000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 #6000 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#6000 #6000 #6000 #6000 #6000 #6000 #6	Thner surface

 $\label{eq:table-iv} {\bf TABLE~IV.-~Continued}$ PRESSURE COEFFICIENTS, WING WITH DEFLECTED AILERON, $\,\delta_{\bf N}$ = 150

	Fraction					P	ressure coe	efficient, C	, at					Fraction	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	of chord	
Upper surface	0500 .0000 .0125 .0250 .0750 .0750 .1000 .1500 .2200 .1300 .1300 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 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.1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350 .1350	M .038 .247 -2215 -299 -450 -419 -372 -335 -316 -335 -360 -371 -356 -399 -3434 -560 -624 -560 -624 -491	- 626 -1.162 -1.002 -1.002 -1.002 -1.002 -354 -355 -353 -354 -364 -361 -361 -361 -361 -361 -361 -361 -361	α =935 -1.035998991959959956857761655560452402415365 -1.135 -1.135 -1.22	8.0 -1.000 983 993 996 992 988 997 982 995 996 973 936 973 936 973 936 974 946 977 986 977 986 977 986 977 986 977 986 977 986 977 986 977 986 977 986 977 986 977 986 977 986 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 976 9	δ = 14. 274996974958941991933884853869785761737711883660552991466	55 601 562 537 537 537 530 520 521 511 511 497 490 463 463 463 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 443 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Lower surface	*0125 *0250 *05500 *07500 *17500 *13500 *22000 *33000 *33000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *35000 *350000 *350000 *350000 *350000 *350000 *350000 *350000 *350000 *3500000 *350000 *350000 *350000 *350000 *35000000 *350000000000	. 455 . 441 . 480 . 431 . 359 . 329 . 224 . 207 . 198 . 160 . 115 . 109 . 216 . 115 . 210 . 217 . 217	.518 .460 .390 .355 .228 .278 .212 .179 .147 .130 .145 .260 .440 .275 .232 .286 .212 .179	. 473 . 437 . 335 . 334 . 310 . 264 . 228 . 198 . 177 . 169 . 171 . 173 . 182 . 214 . 242 . 301 . 476 . 341 . 261 . 299 . 199 . 199	*445 *430 *373 *338 *310 *272 *260 *218 *204 *193 *188 *191 *181 *181 *159 *053 *-0083 *-102	.432 .418 .377 .347 .317 .270 .238 .206 .178 .152 .103 .072 .003 .073 .0042 .003 .0049 .0059 .0077 .0089	*385 *349 *313 *272 *217 *179 *068 *010 *-034 *-1089 *-111 *-1148 *-126 *-216 *-2206 *-230 *-249 *-302	.544 .572 .618 .522 .474 .446 .388 .329 .320 .303 .258 .205 .225 .226 .225 .226 .225 .226 .225 .226 .227 .227 .228 .228 .229 .229 .229 .229 .229 .229	.611 .588 .592 .491 .400 .352 .229 .249 .231 .219 .224 .241 .312 .472 .272 .273 .273 .273 .273 .274 .274 .274 .274 .274 .274 .274 .274	.515 .521 .482 .444 .419 .373 .336 .302 .280 .258 .258 .274 .289 .339 .311 .365 .203 .203 .203 .203 .203 .203 .203 .203	.449 .482 .457 .426 .362 .344 .299 .278 .228 .221 .201 .172 .049 .075 .186 .192 .252	.427 .449 .431 .410 .380 .265 .233 .199 .059 .022 .005 .027 .078 .1078 .1078	.350 .339 .324 .295 .211 .150 .0044 -005 -063 -093 -142 -181 -173 -233 -237 -245 -280 -290	.0125 .0250 .0250 .0750 .0750 .1500 .2500 .3500 .3500 .4500 .4500 .4500 .5500 .4000 .4500 .5500 .6500 .5500 .6500 .6500 .7000 .7000 .8500 .9500 .9500 .9500	Lower surface
Upper surface	0590 .0000 .0125 .0250 .0550 .0550 .0550 .0550 .0550 .2500 .3500 .4500 .5500 .6500 .7500 .6500 .7500 .8500 .8500 .7500 .8500 .7500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500	M	-1.528 -1.522 -1.522 -1.545 -1.506 -1.522 -1.362 899	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6 - 7 - 786 - 800 - 800 - 803 - 807 - 811 - 801 - 794 - 7794 - 775 - 750 - 740 - 732 - 715 - 705 - 705 - 705 - 705 - 705 - 705 - 707 - 807	δ = 14. 701702693679676672659654655624613624611614612604	-589 -582 -577 -577 -577 -577 -577 -577 -577 -57	M •012 -127 -8811 -769 -763 -764 -759 -750 -736 -650 -661 -661 -677 -676 -657 -657 -657 -657 -657 -657	- 7711 - 7712 - 772 - 7766 - 769 - 769 - 769 - 7761 - 7755 - 7761 - 7755 - 7761 - 7755 - 7761 - 7760 - 760 - 679 - 679 - 688	α = 2 ¹ 765742736739730736736736736724722716712727727727727727727	671 692 699 669 695 695 676 674 671 659 682 678 674 653 668 668 668 668 668 668	5 = 14. 704667666655652657654653652659654653652650640	- 609 - 604 - 605 - 602 - 600 - 598 - 597 - 596 - 599 - 599 - 599 - 599 - 599 - 599 - 599 - 599 - 599 - 599 - 599 - 599 - 599 - 599 - 597 - 598 - 592 - 582	-0500 -0000 -01250 -0250 -0250 -0350 -0750 -1300 -1300 -1300 -1300 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500 -1500	Lower surface
Lower surface	**************************************	*575 *691 *852 *786 *662 *667 *571 *506 *445 *405 *354 *290 *310 *310 *310 *254 *023 *-124 *-176 *-4241	*652 *679 *648 *618 *530 *530 *479 *448 *407 *357 *315 *315 *315 *315 *315 *315 *316 *316 *316 *316 *317 *317 *317 *317 *317 *317 *317 *317	.509 .569 .564 .538 .522 .476 .438 .408 .375 .335 .341 .324 .335 .340 .379 .551 .399 .237 .049	*419 *488 *488 *470 *435 *418 *374 *319 *329 *317 *290 *288 *239 *072 *072 *072 *072 *072 *072	.358 .431 .447 .440 .352 .318 .286 .249 .229 .185 .102 .060 .028 .028 -024 080 111 121	• 276 • 298 • 320 • 310 • 272 • 249 • 192 • 192 • 014 • 053 • 105 • 105 • 2218 • 2218 • 2218 • 2218 • 2218 • 2218 • 2218 • 231 • 376	577 787 984 888 753 710 667 660 539 494 380 384 383 383 403 364 403 364 203 204 204 204 204 204 204 204 204 204 204	674 736 7309 6774 627 5779 5546 502 443 402 390 884 423 384 423 384 426 441 383 327 269 169	506 599 621 606 596 557 520 487 449 406 393 394 429 429 431 345 627 627 627 627 627 627 627 627 627 627	.390 .489 .527 .517 .493 .476 .438 .408 .388 .371 .330 .308 .275 .228 .028 .158 .179 .277 .345	. 314 . 413 . 456 . 462 . 452 . 426 . 399 . 363 . 331 . 297 . 270 . 232 . 189 . 141 . 067 . 010 . 067 . 010 . 054 . 091 . 181	. 220 . 267 . 315 . 319 . 288 . 273 . 291 . 199 . 094 . 004 059 . 101 . 115 . 184 199 217	*0125 *0250 *0750 *1700 *1500 *2500 *3500 *4500 *5500 *6500 *7500 *6500 *7500 *8500 *7500 *8500 *9500 *8500 *9500 *8500 *9500	Upper surface

Table IV.- Continued $\label{eq:pressure coefficients} \text{Pressure coefficients, wing with deflected alleron, } \delta_{N} = 15^{0}$

T	Fraction					Pr	essure coef	ficient, Cp	, at					Fraction	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	of chord	
	0500 .0000 .0125	M = .058 .258 .193 .118	0.94 .498 003	α = •462 -•051 -•057	0.2 .408 061 071	δ = . 14. .502 160 112	.835 357 306	M = .067 .277 .031031	.142 713 335	α = •128 -•790 -•550	3.9 188 893 678	δ = 14 •279 -1•054 -•979	094 -1.116 -1.029	0500 .0000 .0125 .0250	
ice	*0500 *0750 *1000 *1500 *2000	.045 .038 .043 .006 010	.013 001 022 050 052 081	042 037 064 085 095 118	078 081 072 104 117 133	110 119 112 146 159 171	-•272 -•241 -•240 -•236 -•249 -•292	140 122 111 119 125 127	205 190 199 202 191 198	414 342 319 277 258 256	565 492 418 383 348	905 820 627 497 453 431	968 911 892 863 824 722	.0500 .0750 .1000 .1500 .2000 .2500	
Opper surface	*3000 *3500 *4000 *4500 *5500 *6600	044 042 060 095 116 110 136 148	090 111 113 124 144 120 138 149	124 136 133 154 158 163 188 196	144 165 175 188 212 210 241 209	186 209 228 246 262 280 280	329 313 326 343 349 324 345	158 134 165 205 210 206 238 239	200 206 210 228 246 229 243 235	262 273 265 282 279 279 284 268	340 345 343 346 350 335 343	420 416 413 416 418 421 419 435	652 580 529 495 480 459 454 435	.3000 .3500 .4000 .4500 .5000 .5500 .6000	
	.7000 .7500 .8000 .8500 .9000	184 346 430 399 308 375	981 619 539 465 397 362	954 914 825 678 428 220	359 510 550 550 508 389	346 368 416 437 411 165	209 128 035 -016 -060 -097	265 407 487 456 356 393	988 675 608 534 466 422	969 923 854 724 514 326	490 612 643 622 582 461	442 449 487 505 491 284	374 326 242 179 125 076	.7000 .7500 .8000 .8500 .9000	
	.0125 .0250 .0500 .0750 .1000	•175 •139 •120 •091 •059 •024	.044 .022 .022 .014 003	011 024 012 027 034 056	024 067 059 064 069	.016 010 016 012 022 030	•110 •067 •020 -•041 -•085 -•086	.329 .299 .299 .263 .212	• 363 • 290 • 231 • 222 • 186 • 152	.354 .284 .220 .193 .171 .132	.359 .289 .238 .203 .176 .142	.384 .317 .262 .234 .201 .163	.366 .302 .245 .175 .125 .084	.0125 .0250 .0500 .0750 .1000 .1500	
	.2000 .2500 .3000 .3500 .4000 .4500	.013 008 017 034 043 087	033 035 061 091 087 092 084	087 099 094 072 042 .001	058 049 043 021 -015 -021 -049	032 025 033 041 042 059 087	-•127 -•181 -•233 -•244 -•264 -•256 -•258	.173 .143 .105 .101 .096 .060	*116 *102 *071 *041 *046 *037 *035	.076 .061 .057 .066 .078	.108 .101 .101 .112 .109	•112 •092 •070 •057 •031 -•001	021 084 143 209 236 281	.2500 .3000 .3500 .4000 .4500 .5000	
	.5500 .6000 .6500 .7000 .7500 .8000	043 068 .004 .083 .123 .075 159	050 .006 .136 .264 .208 .155	.064 .126 .218 .402 .287 .187 .114	.077 .094 .105 003 139 241 178	112 145 152 201 167 137 088	-: 232 -: 171 -: 132 -: 074 -: 028	.042 .043 .101 .146 .179 .132	.058 .100 .206 .323 .261 .198 .145	.147 .191 .265 .439 .318 .225 .156	.137 .141 .136 .021 106 225 137	04 069 081 124 122 119 123 096	298 324 307 242 172 055 018	.5500 .6000 .6500 .7000 .7500 .8000	
-	.9000 .9500 1.0000	-•229 -•246 -•178	•055 •015	.002	174 180	016 .016 δ = 14.3	.074	229 252 235 M =	.052	.022 α =	132 140	089 δ = 14.	021	•9500 1•0000	L
	0500 .0000 .0125 .0250	•070 •278 -•145 -•228	476 -1+111 857	777 974 915	898 930 925	133 -1.010 979	778 758 735	.065 .198 341 468	997 -1.246 -1.212 -1.209	-1.131 -1.069 -1.059 -1.084	-1.065 -1.053 -1.049 -1.052	524 773 772 774	564 563 560 560	0500 .0000 .0125 .0250	
	.0500 .0750 .1000 .1500 .2000 .2500 .3000	390 356 319 284 270 280 294 273	769 746 723 471 300 326 320	901 871 874 849 793 709 613 513	930 928 913 893 865 862 845 838	967 956 939 950 944 941 934	725 716 711 710 703 696 688	645 600 558 480 431 431 419	-1.223 -1.217 -1.158 562 412 402	-1.065 -1.095 -1.108 -1.111 -1.099 -1.101 -1.097	-1.058 -1.054 -1.067 -1.082 -1.098 -1.097 -1.094	773 782 781 774 759 743	559 559 561 559 560	.0750 .1000 .1500 .2000 .2500 .3000	o o o o o o o o o o o o o o o o o o o
	.4000 .4500 .5000 .5500 .6000 .6500	-• 280 -• 315 -• 338 -• 326 -• 365 -• 370	341 329 344 365 330 363 345 -1 -0 33		813 797 777 744 726 745 845		667 654 635 614 594 571 549	445 445 462 452 485 508 549	434 451 474 449 477 470	-1.050 975 821 546 431 378	-1.079 -1.073 -1.065 -1.022 907 853 801	708 689 646 629 616 608	562 564 564 566 568 569 571	.4000 .4500 .5000 .5500 .6000 .6500	T CHANGE
	.7500 .8000 .8500 .9000 .9500	-0 495 -0 569 -0 535 -0 447 -0 476	753 691 624 561 541	974 991 863 683 442	793 746 677 591 379	576 518 467 425 407	-4526 507 493 480 468	594 652 604 549 578	811 769 642 469 314	897 687 488 330 182	777 758 749 718 698	600 596 585 579 592	-•573 -•574 -•573 -•571	.7500 .8000 .8500 .9000	
	.0125 .0250 .0500 .0750 .1000 .1500 .2000	.473 .458 .494 .448 .376 .341 .326 .279	.533 .472 .403 .365 .338 .294 .249 .222	.480 .439 .376 .334 .314 .265 .229 .196 .178	.447 .429 .364 .327 .301 .264 .254 .211	.440 .415 .370 .335 .305 .264 .232 .200	.392 .351 .310 .268 .217 .174 .117 .073	• 562 • 590 • 683 • 629 • 531 • 488 • 454 • 397 • 341	.631 .604 .547 .506 .463 .414 .366 .340	•535 •535 •492 •456 •432 •382 •344 •311 •287	. 463 . 486 . 459 . 431 . 406 . 367 . 352 . 310	. 426 . 452 . 436 . 415 . 387 . 345 . 312 . 277	.356 .347 .336 .309 .265 .232 .173 .128	.0125 .0250 .0500 .0750 .1000 .1500 .2000 .2500	
2000	.3000 .3500 .4000 .4500 .5000 .6500 .6500 .7500	.226 .219 .209 .165 .115 .106 .140 .184 .200	.156 .156 .141 .131 .147 .169 .263 .394	.165 .168 .169 .178 .210 .239 .305 .478	*186 *188 *177 *182 *185 *178 *158 *040 -*089	.145 .125 .096 .061 .023 012 031 069		.328 .311 .264 .210 .198 .226 .269 .264	.264 .261 .241 .228 .236 .250 .324 .480 .396	.271 .267 .263 .266 .288 .307 .356 .527	.278 .271 .252 .249 .245 .229 .200 .082	.216 .191 .160 .124 .086 .050 .027 020	-019 -041 -075 -124 -180 -177 -219 -230 -242	.3500 .4000 .4500 .5000 .5500 .6000 .6500 .7000	Throng surface
	*8000 *8500 *9000 *9500 1*0000	*181 -*032 -*224 -*259 -*316	•240 •184 •134 •078	.256 .186 .124 .038	212 248 151 176	073 085 081 134	-+235 253 -+293	.234 .011 190 182 254	• 292 • 241 • 192 • 132	.302 .239 .178 .099	099 110 174 194	059 085 093 155	260 284 335	.8000 .8500 .9000 .9500	

 $\label{eq:table_in_table_in_table} TABLE~IV.-~Continued$ PRESSURE COEFFICIENTS, WING WITH DEFLECTED AILERON, ~ δ_N = 150

П	Fraction					Pr	essure coef	ficient, C _p	at					Fraction	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	of chord	
Upper surface	0500 .0000 .0125 .0250 .0750 .0750 .1500 .2000 .2500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500 .3500	M = .055 .059 .066 .793 .920 .885 .81 .825 .930 .930 .930 .930 .930 .930 .930 .930	-1.242 -1.406 -1.402 -1.401 -1.407 -1.407 -1.407 -1.399 -226 -358 -356 -353 -356 -353 -360 -365 -365 -365 -365 -365 -365 -365 -365	$\alpha = 16$ $-1 \cdot 189$ $-1 \cdot 154$ $-1 \cdot 141$ $-1 \cdot 149$ $-1 \cdot 141$ $-1 \cdot 149$ $-1 \cdot 121$ $-1 \cdot 053$ $-1 \cdot 005$ $-1 \cdot 004$ -983 -983 -999 -751 -973 -773 -7744 -741	- 769 - 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846 - 846 - 846 - 846 - 846 -	-747 -769 -768 -7767 -7768 -7767 -758 -758 -744 -741 -736 -736 -728 -728 -705 -716 -724 -723 -724 -724 -724 -724	\$\delta = 14.\$ 754728724720714710714712707708704702702700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700701700700701700700701700701700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700700	671 667 665 664 663 655 655 656 658 658 658 654 653 654 654	0500 .0000 .0125 .0259 .0250 .0750 .11000 .2200 .2200 .2500 .3500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .450	Upper surface
Lower surface	*0125 *0250 *0500 *0750 *1000 *1500 *2000 *2500 *3000 *3500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 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*5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500	.600 .717 .872 .805 .680 .594 .529 .443 .446 .428 .376 .335 .335 .335 .335 .335 .335 .339 .224 .339 .224 .335 .335 .335	.679 .700 .668 .636 .597 .498 .466 .424 .383 .331 .334 .392 .459 .353 .331 .331 .332 .459 .459	.533 .588 .581 .554 .539 .457 .418 .394 .372 .363 .350 .345 .355 .403 .588 .419 .388 .419 .388	*440 *506 *515 *503 *485 *452 *435 *336 *336 *336 *312 *504 *227 *227 *295 *227 *27 *27 *27 *27 *27 *27 *2	*377 *447 *460 *454 *437 *002 *369 *335 *304 *271 *246 *207 *168 *125 *005 *005 *002 *091 *158	.290 .315 .338 .330 .293 .271 .220 .180 .074 .0074 .0074 .0132 .132 .132 .133 .208 .2193 .2295 .2295 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395 .2395	.599 .81005 .900 .777 .735 .685 .544 .522 .467 .415 .395 .428 .392 .329 .329 .329 .329 .329 .329 .339 .33	. 695 . 757 . 752 . 730 . 605 . 652 . 652 . 652 . 657 . 488 . 474 . 449 . 426 . 410 . 409 . 458 . 488 . 474 . 499 . 426 . 409 . 458 . 488 . 488	.524 .619 .643 .629 .580 .546 .514 .485 .447 .423 .420 .423 .450 .633 .463 .381 .308 .232 .118	. 406 .507 .549 .548 .538 .515 .499 .435 .414 .399 .341 .309 .263 .132 .007 -123 -132 .244 .315	.324 .427 .470 .479 .449 .448 .383 .321 .297 .217 .217 .174 .131 .098 .044 .018 .018 .050 .044 .136	. 228 . 285 . 330 . 336 . 312 . 301 . 256 . 222 . 171 . 124 . 067 . 027 . 030 073 172 172 172 172 	*0125 *0250 *0500 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750 *0750	Lower surface
Upper surface	0500 -00000 -0125 -0250 -05500 -0750 -1000 -15000 -2000 -2000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3000 -3	M .080 .269 .214 .143 .080 .069 .068 .030 .007 .001 .032 .030 .050 .075 .110 .135 .144 .174 .330 .408 .347	- 0.98 -511 -018 -028 -035 -016 -006 -036 -041 -070 -109 -109 -123 -139 -125 -145 -917 -587 -587 -4454 -4055 -401	α = .46302203502402004606807114127154155161873855715851377	0.1 .4050450580680750671011101271401821721981693185065596678654	ō = 1%. .544105074083094124124137145192207227243243243243243243243243243245301328374440458	.797 -274 -275 -215 -215 -215 -119, -119, -129, -209 -209 -214 -328 -304 -314 -3314 -3314 -3314 -3313 -335 -299 -3113 -3333 -325 -272	113 297 297 297 297 297 297 297 297 297 297	- 0.98 - 208 - 629 - 170 - 1156 - 161 - 167 - 159 - 176 - 185 - 184 - 221 - 199 - 207 - 912 - 625 - 570 - 452 - 437	α = .222874509336280274252228230236224259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259259	1379547795244253543354303303309311319325307310539582640	. 323 -1.120 -1.060 -1.000 -8.79 -5.23 -363 -347 -354 -363 -367 -375 -385 -380 -390 -391 -391 -391 -391 -426 -447 -463 -498	.041 -1.200 -1.180 -1.138 -1.097 -1.063 -1.011 -945 -475 -404 -391 -406 -432 -456 -376 -376 -3855 -376	-0500 0000 00125 0250 0500 0750 11000 2200 3300 3300 3500 4500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 6500 650	Lower surface
Lower surface	*0125 *0250 *0750 *1000 *11500 *2000 *2500 *3500 *4500 *5500 *5700 *6000 *6500 *3500 *5700 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500	.189 .153 .139 .108 .072 .044 .023 .003 .009 -028 -099 -121 -027 .069 .125 .885 -132 -219 -251	.055 .037 .037 .032 .011 006 023 031 055 097 101 120 009 .135 .307 .263 .165 .068	002 016 002 048 071 096 120 132 089 099 091 143 237 412 305 206 133 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217 217	053 097 099 110 123 091 055 022 003 .019 .029 .060 .091 .115 .126 .023 119 215 374	029034034031031032035028026040066040066043129129129213213212	*115 *065 *019 *037 *077 *077 *110 *1.61 *212 *229 *256 *260 *289 *301 *337 *325 *299 *241	350 320 326 292 234 210 1192 1166 1211 119 4122 069 050 047 4047 108 157 196 206 207 207 207 207 207 207 207 207 207 207	.383 .309 .259 .206 .167 .134 .116 .084 .040 .037 .061 .116 .231 .345 .290 .229 .175 .125	.363 .295 .202 .183 .139 .064 .059 .069 .069 .112 .160 .207 .280 .435 .338 .245 .170 .037	.363 .293 .242 .209 .182 .149 .150 .116 .1127 .127 .143 .160 .164 .161 .081 193 360 406 231	.392 .324 .269 .244 .213 .176 .131 .131 .092 .080 .054 .023 .008 .054 .07 .132 .132 .132 .132 .132 .132 .132 .132	.386 .323 .267 .196 .147 .107 .056 .010 .051 .184 .220 .271 .229 .339 .347 .347	** 35 00 ** 4000 ** 5000 ** 5000 ** 5000 ** 6500 ** 7000 ** 7500 ** 8500 ** 9000	Upper surface

Table IV.- Continued ${\rm PRESSURE~COEFFICIENTS},~{\rm Wing~With~Deflected~aileron},~\delta_{N}=15^{o}$

T	Fraction					Pr	essure coe	efficient, Cp	, at					Fraction	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	chord	
Upper surface	-0500 -0000 -0000 -0125 -0250 -0500 -0100 -1500 -1500 -0500 -0500 -0500 -0500 -7500 -8500		0.25b/2 0.98 -366 -1.047 -797 -613 -566 -306 -306 -308 -288 -303 -327 -290 -329 -329 -329 -329 -329 -329 -329 -329	α = 7 662950842818793796764695603509424338333336333336332338333336338333336338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338338388		δ = 14.2 037 -1.086 -1.033 -1.018 997 971 961 935 917 900 871 940 882 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 702 622 622 623 623 623 623 623 623 623 624 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 625 	-1.030 -1.113 -1.106 -1.068 -1.035 -1.015 -1.035 -1.035 -979 -964 -935 -912 -907 -887 -884 -842 -842 -813 -763	M 113 208 309 309 309 309 309 309 309 309 309 309		α = 1 -1.038992976 -1.002988 -1.011 -1.035 -1.042 -1.029 -1.029 -1.034 -1.015 -1.036 -974 -8973 -8974 -3697 -8987	2 · 1 - · 969 - · 979 - · 976 - · 979 - · 982 - · 979 - · 989 - · 1 · 032 - 1 · 043 - 1 · 034 - 1 · 043 - 1 · 044 - 1 · 044 - 1 · 045 - 1 · 045 - 1 · 046 - · 921 - · 922 - · 891 - · 891	δ = 14. 596 -1.023 -1.013 -1.010 -1.000 -1.003 -1.023 -1.023 -1.038 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.053 -1.05	2 - 734 - 735 - 734 - 733 - 734 - 734 - 739 - 741 - 745 - 750 - 751 - 748 - 750 - 751 - 749 - 747 - 745 - 742 - 742 - 742 - 742 - 742		Upper surface
Lower surface	.8500 .9000 .9000 .9000 .0125 .0250 .0500 .0750 .1000 .2000 .2500 .3500 .4500 .4500 .5500 .7500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500 .8500	-+417 -+449 +497 -480 -513 -469 -365 -340 -297 -294 -235 -226 -182 -156 -123 -156 -226 -226 -226 -226 -226 -226 -226 -2	511 502 -554 -490 -425 -384 -357 -313 -269 -244 -207 -171 -171 -171 -171 -160 -187 -283 -415 -339 -267 -210 -161 -108		-672 -585 -462 -435 -375 -339 -314 -279 -225 -211 -203 -207 -198 -204 -210 -205 -185 -068 -186 -323 -376 -329	550 503 .456 .429 .380 .347 .272 .242 .210 .186 .161 .139 .072 .035 006 031 003 107 124 117 148	-742 -742 -742 -742 -742 -742 -742 -742	502 531 603 603 603 604 603 604 603 604 603 604 603 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 604 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Upper surface	-0500	M 107 117 217 217 217 217 217 217 217 217 21	- 0.98 -1.115 -1.287 -1.281 -1.292 -1.314 -1.296 -1.337 -1.247 -865 -577 -5543 -515 -540 -527 -548 -549 -785 -799 -785 -799 -785 -779 -7866 -799 -785 -779 -7866	α = 1 -1.133 -1.096 -1.081 -1.119 -1.110 -1.139 -1.226 -1.226 -1.221 -1.279 -1.256 -1.216 -1.133 -989 -8696 -8407	-1.031 -1.060 -1.058 -1.060 -1.061 -1.061 -1.061 -1.075 -1.115 -1.123 -1.121 -1.107 -1.115 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1.123 -1	δ = 14. - 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Lower surface	*0125 *0250 *0500 *0500 *0750 *1000 *1500 *2500 *3500 *3500 *5500 *5500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500 *6500	.635 .752 .896* .837 .712 .6616 .560 .492 .474 .458 .350 .350 .350 .351 .383 .354 .468 .350 .350 .350 .350	.715 .733 .698 .667 .626 .579 .496 .453 .416 .407 .381 .358 .361 .420 .587 .441 .388 .336 .284 .215	.569 .618 .609 .583 .520 .479 .448 .387 .378 .383 .394 .431 .452 .371 .304 .237	. 465 . 530 . 535 . 523 . 507 . 473 . 457 . 414 . 3391 . 373 . 343 . 343 . 323 . 299 . 257 . 013 . 013 . 0064 . 097 125	.391 .463 .480 .474 .457 .423 .357 .328 .297 .237 .121 .094 .051 .025 .025 .025 .025	.309 .336 .361 .353 .317 .298 .251 .215 .016 .005 .004 .006 .100 .101 .174 .174 .193	.618. 828. 1.026. 933. 8000 757. 7500 660. 945. 977. 987. 970. 440. 416. 433. 451. 407. 416047047205.	717 778 7774 7753 720 673 625 594 549 509 497 474 448 436 428 470 624 530 438 331 331 3254	. 467 . 634 . 483	518 562 564 555 655 651 651 647 647 647 647 647 647 647 647	. 441 . 486 . 497 . 489 . 457 . 404 . 374 . 344 . 233 . 243 . 200 . 159 . 129 . 082 . 055 . 024 . 007 007 007	.240 .292 .346 .355 .331 .223 .233 .203 .157 .101 .000 .001 .044 .055 .121 .144 .162	0250 0500 0750 1000 1500 2500 2500 3500 4500 4500 5500 6000 7500 7500 8000 8500 8500 8500 9000	Upper surface

 $\mbox{TABLE IV.- Continued}$ PRESSURE COEFFICIENTS, WING WITH DEFLECTED AILERON, $\,\delta_{\mbox{N}}=15^{0}$

	Fraction					Pr	essure coef	ficient, Cp	, at					Fraction	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	of chord	
Upper surface	0500 .0000 .0250 .0250 .0250 .0250 .0250 .1000 .2500 .1500 .2500 .3500 .4500 .4500 .5500 .6500 .7500 .7500 .7500 .7500 .7500	M =091 -173 -150 -086 -030 -013 -026 -021 -016 -043 -041 -060 -099 -099 -109 -1132 -164 -276 -342 -275 -315	1.03 .482 -015 -002 .008 -007 -021 -045 -043 -078 -079 -091 -112 -129 -137 -798 -530 -474 -422 -371	α = (450 -027 -037 -026 -022 -046 -070 -070 -117 -114 -139 -153 -157 -176 -765 -765 -670 -550 -384	*521 -023 -039 -056 -066 -069 -089 -096 -121 -134 -152 -162 -172 -155 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 -185 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12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 125	. 424 . 440 . 522 . 485 . 403 . 383 . 353 . 267 . 266 . 209 . 160 . 209 . 152 . 275 . 276 . 287 . 287 . 275 . 276 . 277 . 275 . 276 . 277 . 275 . 276 . 277 . 275 . 276 . 277 . 275 . 276 . 277 . 275 . 276 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 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277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277 . 277	.560 .496 .433 .398 .376 .334 .293 .275 .240 .208 .215 .203 .196 .213 .242 .340 .498 .387 .278 .330 .278 .278 .278 .278	.515 .469 .410 .410 .373 .357 .310 .277 .250 .232 .222 .222 .223 .250 .318 .382 .543 .423 .423 .423 .423 .423 .423	.501 .468 .416 .382 .363 .327 .317 .279 .260 .264 .271 .266 .264 .271 .266 .247 .126 .006 .247 .126 .008 .248 .292	.504 .475 .432 .398 .370 .330 .227 .250 .223 .204 .103 .066 .039 .018 .030 .030 .030 .030 .030 .030 .030 .03	.456 .415 .373 .334 .284 .288 .193 .152 .091 .036 .031 .072 .124 .137 .199 .210 .222 .237 .246	.579 .653 .776 .728 .621 .580 .540 .449 .423 .412 .398 .346 .305 .273 .308 .347 .325 .348 .342 .342 .341 .342 .341 .341 .341 .341 .341 .341 .341 .341	.707 .685 .628 .589 .549 .540 .452 .386 .350 .344 .311 .317 .402 .506 .451 .327 .402 .506 .451 .506 .451 .506 .451 .506 .451 .506 .451 .506 .506 .506 .506 .506 .506 .506 .506	.605 .603 .5649 .529 .504 .455 .362 .335 .335 .335 .358 .380 .427 .589 .427 .156	.534 .553 .523 .496 .472 .435 .418 .377 .383 .323 .323 .321 .319 .303 .268 .144 .100 .1126 .1127	.492 .511 .494 .473 .447 .340 .374 .340 .312 .283 .258 .228 .189 .150 .049 .030 .030 .014	.420 .413 .405 .381 .337 .309 .226 .159 .110 .048 .014 .033 .085 .111 .134 .151 .166	.0125 .0250 .0500 .0750 .0750 .1500 .2500 .2500 .3500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500 .4500	Upper surface

Table iv. - Concluded $\label{eq:concluded}$ Pressure coefficients, wing with deflected alleron, δ_{N} = 15^{O}

	Fraction	1				Pr	essure coef	ficient, Cp	, at					Fraction	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	chord	
	3	M =	1.03	α =16	.8	δ = 14.0		M :	= 1.03	α = 2	1.1	δ = 13.	9		
								.171						0500	
- 1	0500	•155 •150	-1.004	-1.020	960	754	684	.045	-1.119	-1.109	998	828	761	.0000	
- 1	.0000	527	-1.172	980	960	976	710	837	-1.237	-1.091	-1.024	919	777	.0125	1
- 1	*0125 *0250	633	-1.167	965	960	979	706	869	-1.235	-1.074	-1.019	913	770	.0250 .0500	1
- 1	•0500	735	-1.175	-1.004	960	979	712	896	-1.224	-1.104	-1.022	910	774 779	.0750	
- 1	.0750	690	-1.192	997	960	974	724	853	-1.226	-1.081	-1.027	897 885	783	.1000	1
- 1	.1000	639		-1.028	960	975	733	766	-1.239	-1.111	-1.023	881	787	a1500	1
- 1	.1500	507	-1.221	-1.088	986	988	748	616	-1.252	-1.135 -1.158	-1.022 -1.014	870	789	.2000	1
	.2000	431		-1.121	984	992	763	552	-1.195 -1.039	-1.178	-1.025	864	788	.2500	
Surface	.2500	394			-1.003	988	773	536 526	839	-1.178	-1.017	861	786	.3000	
4	.3000	394			-1.025	954	-•777 -•774	515	702	-1.174	-1.010	858	782	.3500	
1	•3500	386	448		-1.042	934	774	520	621	-1.172	997	860	783	.4000	
	.4000	400	428		-1.051		770	535	589	-1.172	982	857	780	.4500	
5	.4500	425	428		-1.065 -1.079	943 911	767	549	596	-1.177	972	859	783	.5000	1.
Opper	.5000	436	451	-1.129 -1.046	-1.048	863	768	562	583	-1.147	960	857	785	.5500	1,
9	•5500	443	427		919	859	768	586	597	-1.103	922	856	787	.6000	
- 1	.6000	460 459	463	923 736	906	862	769	599	579	-1.017	938	857	787	.6500	
	•6500	473	931	927	922	858	769	610	948	-1.011	930	856	790	.7000	1
- 1	•7000 •7500	527	701	870	909	852	770	629	775	-1.017	907	853	790	.7500 .8000	1
	.8000	580	693	848	898	852	772	690	815	940	883	852	789 785	. 8500	1
	.8500	585	646	856	887	835	770	698	708	883	873	838 826	784	.9000	1
	•9000	495	609	740	880	824	775	673	650	843	862	842	782	9500	
	•9500	523	576	653	887	838	777	644	628	793	009			*****	
_						.440	• 356	.663	.767	.592	.470	• 383	.289	.0125	Г
	•0125	•655	•759	•612	•511	.504	•378	.871	.826	.682	.565	. 483	.339	.0250	
	•0250	• 785	•776	•659	•572 •577	.517	• 402	1.050	.821	.706	+607	.527	.390	.0500	
	•0500	• 932	•745	.649 .622	• 563	.511	• 394	• 978	.800	.692	.608	0537	.399	.0750	
	•0750	.879	•712 •676	.605	• 544	.494	•359	. 845	.766	.681	.597	ø528	.375	.1000	
	•1000	•759 •712	.623	.560	.515	.459	•343	.805	.722	.644	.575	.504	.370	.1500	1
	•1500	.675	•575	.524	• 495	.429	•296	.756	+675	.610	.561	• 479	.333	•2000	1
	•2000 •2500	•604	.540	. 489	. 453	.394	.262	.703	.641	•578	.520	. 446	•304 •257	.2500 .3000	
	*3000	.535	.498	.462	.432	.365	.211	.634	.598	•548	• 497	.418		.3500	
ce	•3500	.522	.460	.440	.413	.335	.165	.615	+559	•527	.477	• 387	•216 •161	.4000	
fa	4000	•502	.449	.430	.404	.311	•107	.593	• 549	•512	. 464	• 363 • 329	.120	. 4500	
surface	.4500	. 450	.424	.418	.384	.277	.070	• 542	.521	•497	.441 .429	. 289	.062	.5000	
	•5000	• 395	.404	.415	.376	.238	.015	. 485	• 496	.486 .490	.415	• 246	.012	.5500	
er	+5500	•372	.400	. 424	. 367	.198	043	.461	.489	.491	•381	• 209	.006	.6000	
Lower	•6000	•399	.402	• 435	• 342	.162	050	+484	•478 •519	.515	• 336	.180	055	.6500	
ĭ	•6500	•426	.459	.471	• 299	.136	095	. 499	.669	.677	.214	.136	073	.7000	
	•7000	• 384	.635	.630	•171	.098	113 135	. 464	.585	•532	.097	.114	098	.7500	
	•7500	.405	.488	.490	• 055	.081	-0135	. 424	. 492	.458	027	.086		.8000	
	.8000	• 380	• 433	.414	074 031	.063	160	.233	. 443	.393	053	.056	115	. 85 00	
	.8500	•169	.384	.351 .283	073	.033	193	.058	.391	.322	105	.044	175	.9000	
	•9000	008	• 333	.184	097	031	239	.012	.317	.219	150	020	230	.9500	
	1.0000	038 161	.266	.104	,1			114						1.0000	

Table V $\label{eq:pressure coefficients} \mbox{ with deflected alleron, } \ \, \delta_{\mbox{N}} = -150$

7	Fraction					Pr	essure coef	ficient, Cp	, at					Fraction	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	of chord	
Upper surface	0500 .0000 .0125 .0250 .0500 .0750 .1000 .11500 .22000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .30	M = .047 .203 .152 .084 .010 .012 .018 .018 .018 .018 .018 .018 .018 .018	0.80 .463 -036 -016 -017 -019 -031 -060 -047 -068 -075 -055 -051 -036 .004 .042 .042 .042 .042 .042 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055 .055	α = 0 *542 -0042 -0052 -035 -027 -049 -056 -056 -056 -075 -060 -040 -040 -040 -040 -040 -040 -040	.2 .406 -003 -013 -012 -019 .000 -025 -017 -017 -002 .024 .002 .024 .002 .014 .005 .005 .005 .005 .005 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .007 .0	δ = -14 + 8 444	.728 .065 .074 .044 .003 .003 .005 .006 .007 .007 .007 .007 .007 .007 .007	M *021 *204 *067 *021 *136 *014 *067 *021 *137 *007 *007 *007 *007 *007 *007 *007 *0	- 105 -629 -298 -276 -253 -262 -273 -199 -208 -197 -166 -148 -126 -072 -024 -083 -264 -077 -005	α = 7.136668559464372346279248279248108109128100055011011016056056056		5 = -14. .306611563516462435317216169110117102002003008018 .002019 .004	8 3395474724484362319255222197176063063063022025	-0500 -0000 -0123 -0500 -0500 -0500 -1500 -1500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 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-2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500 -2500	Upper surface
Lower surface	.0125 .0250 .0350 .0750 .1000 .2000 .2000 .3000 .3000 .3000 .5500 .5000 .7500 .6000 .8000 .8000 .8000 .8000 .8000 .8000	.149 .109 .086 .070 .049 -003 -012 -036 -056 -056 -080 -080 -080 -080 -126 -126 -263 -263 -263 -263 -263	.018 .000 .000 -0009 -026 -031 -055 -060 -084 -107 -1124 -1199 -199 -199 -199 -199 -199 -199 -1	033 042 031 044 068 104 122 171 179 272 272 272 272 272 273 275 275 275 275 275 275 275 275 275 275 275 275 275	0721040860971071271571812032182472703132944013282147051	183174162174162176190213221221224224224224224225138033	-241 -220 -197 -207 -218 -193 -1193 -1199 -166 -130 -130 -130 -102 -102 -103 -104 -103 -106 -106 -106 -107 -107 -108 -108 -108 -108 -108 -108 -108 -108	*291 *259 *261 *219 *184 *128 *102 *066 *005 *044 *003 *005 *075 *077 *075 *197 *197 *197 *197 *197 *197 *197 *197	.338 .262 .199 .171 .151 .073 .056 .023 -0015 -0015 -026 -017 -124 -191 -1089 -402 -314 -235 -085	.325 .253 .186 .136 .013 .013 .005 .015 .015 .012 .120 .120 .125 .210 .254 .1528 .289 .177 .1029	*319 *248 *187 *148 *114 *066 *045 *079 *101 *142 *196 *234 *246 *345 *023 *105 *105 *105 *105 *105 *105 *105 *105	*306 *234 *170 *0119 *079 *004 *0011 *0059 *017 *0135 *0143 *0135 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 *0143 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*5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500	Lower surface
Upper surface	0500 -0000 -0125 -0250 -0250 -0350 -0350 -0350 -2000 -3050 -2000 -3500 -3500 -5500 -5500 -5500 -7500 -7500 -8500 -7500 -8500 -7500 -8500 -9500 -9500 -9500	M -015 -182 -367 -459 -5502 -5511 -444 -387 -342 -298 -285 -274 -211 -173 -098 -0061 -147 -169 -142	-1.000 -1.150 -1.105 -1.105 -1.105 -1.180 -938 -437 -329 -319 -282 -258 -223 -155 -096 -021	α = ε -1.197 -1.071 -1.075 -1.066 -1.040 -1.040994739556400299167101031211369205144077046	839 797 789 778 778 778 753 751 751 751 548 428 321 233 186 160	0 = -14, 1 -037 -569 -557 -553 -543 -522 -522 -522 -522 -523 -542 -543 -544 -444 -344 -373	294291285275267253242221202182176174173178186	- 4039 + 0399 + 0551 + 782 + 895 + 895 + 6299 + 5540 + 3580 + 3510 + 318 + 2241 + 115 + 110 + 113 + 113 + 113 + 113 + 113 + 113	= 0.80 -1.550 -1.623 -1.598 -1.6598 -1.6690 -1.6690 -1.4682 -1.438 -575 -4.13 -390 -350 -299 -281 -2234 -193 -0.88 -0.37 -0.01 -0.01 -0.01	α = 1 -1.427 -1.235 -1.239 -1.267 -1.240 -1.273 -1.320 -1.314 -1.279 -1.300 -1.086 -717 -570 -437 -312 -080 0588 092 1080 119 107		\$\delta = -14\$ -3622 -5526 -5546 -5546 -5546 -5546 -5547 -5528 -5511 -498 -468 -463 -473 -4468 -462 -4467 -4463 -4455 -4451	295282274269260253240235210201199199199197205205205	-0500 -0000 -0000 -0125 -0250 -0250 -0250 -0250 -1250 -2200 -2300 -2300 -2500 -4500 -5500 -6500 -7500 -6500 -7500 -8500 -8500 -8500 -8500 -7500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500	Lower surface
Lower surface	*0125 *0250 *0350 *0350 *0350 *1500 *2200 *3200 *3300 *4500 *5500 *5500 *6500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 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*3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500 *3500	*412 *396 *441' *396 *326 *326 *261 *220 *165 *149 *084 *003 *018 *018 *018 *018 *018 *018 *018 *018	. 493 . 441 . 370 . 329 . 288 . 240 . 190 . 1165 . 126 . 088 . 077 . 047 . 012 060 137 152 269 289	.438 .402 .341 .295 .266 .213 .169 .129 .092 .064 .034 .001 .086 .150 .214 .1458 .446 .214 .011	. 405 . 389 . 321 . 269 . 240 . 183 . 052 . 014 . 015 . 060 . 093 . 131 . 183 . 213 . 304 . 213 . 087 . 017	.404 .366 .309 .269 .231 .173 .127 .088 .053 .020 .002 .004 .0064 .074 .074 .074 .075 .074	.406 .351 .286 .233 .130 .105 .018 .018 .001 .004 .008 .008 .008 .008 .008 .008 .008	.481 .520 .6300 .577 .483 .436 .407 .278 .278 .258 .258 .130 .130 .106 .053 .071 .072 .152 .152 .152 .152 .152 .152 .152 .15	.565 .505 .505 .461 .419 .364 .314 .318 .219 .119 .119 .119 .010 .016 .016 .016 .377 .016 .377 .016 .0174 .0174 .0174	.464 .483 .447 .408 .382 .330 .279 .158 .129 .089 .037 -015 -082 -161 -1388 -374 -2128 -005	.418 .440 .401 .368 .336 .284 .249 .141 .102 .064 .017 .0021 .066 .2129 .183 .183 .193 .193 .193 .193 .193 .193 .193 .19	+10 +16 -383 -351 +313 +261 +173 +125 +075 +004 +012 +036 +047 +017 +084 +089 +099 +160	.408 .377 .349 .309 .258 .217 .075 .040 -003 -015 -046 -063 -100 -099 -109 -120 -135 -177	*0125 *0250 *0550 *0750 *1500 *2500 *3500 *3500 *4500 *5500 *6500 *7500 *6500 *7500 *6500 *7500 *6500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500 *7500	Upper surface

Table V.- Continued $\label{eq:varphi} \text{PRESSURE COEFFICIENTS, WING WITH DEFLECTED AILERON, } \delta_{N} = -15^{0}$

	Fraction			- pape		Pr	essure coef	ficient, Cp	, at	18				Fraction	Г
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	of chord	
		М	= 0.80	α = 1	5.5	δ = -15 • 1	1	M =	0.80	α = 2	0.6	δ = -15.	3		
Upper surface	0500 .0000 .0125 .0250 .0550 .0550 .0550 .2000 .2500 .3500 .4500 .5500 .6500 .7500 .8500 .7500 .8500 .7500	111112 -1.233 -1.309 -1.262 -1.157892673712696607585565545491438287240207188164176162	-1.791 -1.822 -1.796 -1.743 -1.720 -1.696 -1.631 -1.429 -1.233 -1.042 -881 -727 -425 -328 -214 -148 -127 -111 -1081 -088	-1.200 -1.196 -1.191 -1.191 -1.191 -1.164 -1.172 -1.158 -1.126 -1.075 -1.020 -984 -945 -881 -032 -779 -760 -764 -714 -673 -631 -345	802 801 792 775 775 775 758 730 715 707 669 651 666 654 671 654 671 654 790	594 624 619 613 606 596 596 596 586 574 553 522 519 516 503 595 503 503 504 503 504 503 504 504 504 505 504 505 505 506 506 506 506 506 506 506 506 506 506 506 506 507 506 507 506 507 507 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508 508	-376 -369 -367 -364 -362 -362 -359 -354 -351 -346 -344 -341 -341 -341 -342 -333 -334 -334 -335 -336 -336 -336 -337 -337 -337 -337 -338 -337 -338 -338	-098 -243 -1030 -995 -9977 -9777 -977 -977 -967 -944 -771 -740 -740 -740 -750 -5514 -449 -330 -307 -307 -307 -307	982 982 982 973 979 979 976 949 949 949 1885 786 650 650 650 490 4430	7.973 937 930 932 919 927 923 911 902 884 880 041 807 786 776 775 777	813 804 800 800 800 800 775 776 775 746 773 730 722 712 687 687 683 683 868 960	~ 761 ~ 707 ~ 690 ~ 677 ~ 659 ~ 659 ~ 659 ~ 662 ~ 617 ~ 625 ~ 617 ~ 612 ~ 605 ~ 596 ~ 598 ~ 598 ~ 598 ~ 598 ~ 553 ~ 598 ~ 553 ~ 598 ~ 598	- 494 - 489 - 492 - 488 - 484 - 482 - 477 - 477 - 477 - 478 - 478 - 478 - 478 - 476 - 477 - 478 - 478	-0500 .0000 .0000 .0125 .0250 .0550 .0750 .1500 .2500 .2500 .3500 .4500 .4500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500	Upper surface
Lower surface	.0125 .0250 .0750 .0750 .1000 .2500 .3500 .3500 .4000 .5500 .5000 .7000 .7000 .7000 .9000 .9000 .9000 .9000	. 497 . 605 . 786 . 782 . 599 . 543 . 512 . 438 . 367 . 343 . 322 . 264 . 168 . 168	.569 611 587 554 515 460 399 367 320 268 251 212 216 66 120 051 -046 -1338 -364 -219 -178 -152	.431 .503 .503 .473 .452 .402 .354 .312 .225 .191 .141 .889 .028 .051 151 151 127 101	.369 .438 .438 .415 .390 .343 .306 .249 .205 .121 .072 .022 .028 .100 -171 -231 -163 -153 -163 -181	.351 .403 .385 .356 .309 .264 .118 .084 .047 .013 .033 .070 .086 .093 .118	.344 .344 .341 .319 .278 .182 .134 .003 .027 .004 .003 .027 .003 .027 .003 .003 .003 .003 .003 .003 .003 .00	.514 .707 .918 .827 .689 .646 .599 .534 .460 .431 .403 .347 .275 .237 .211 .016 .199 .161 .212 .223 .219 .219	.600 .669 .665 .645 .605 .557 .502 .463 .415 .365 .339 .246 .197 .122 .007 -1.000 -2.284 -2.215 -2.215 -2.217	. 426 .529 .552 .536 .523 .475 .430 .385 .339 .297 .257 .208 .145 .120 -1.375 .344 .234 .204 .207 .258	.329 .426 .458 .449 .434 .390 .364 .305 .215 .178 .020 .075 .020 .059 -137 -2145 -1417 -1417 -194 -226	.298 .387 .414 .407 .390 .351 .314 .271 .291 .196 .169 .135 .094 .058 .029 .001 .046 .066 .0707 .110 .120	.276 .306 .339 .325 .290 .264 .214 .116 .067 .015 .005 .005 .005 .112 .116 .176 .1182	.0125 .0250 .0250 .0750 .1000 .1500 .2500 .2500 .4000 .2500 .4500 .5500 .6000 .7500 .8500 .7500 .8500 .8500 .9500 .9500	Lower surface
			= 0.90	α = 0	• 2	δ = .14.6			0.90	$\alpha = 4$	•1	δ = -14.7			
Upper surface	-0500 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000 -0000	.040 .208 .166 .095 .0015 .015 .016 -031 -057 -095 -099 -099 .099 .023 .049 .023 .049 .023 .049 .023 .049 .023 .049 .023 .049 .023 .049 .023 .049 .049 .049 .049 .049 .049 .049 .049	.477 -034 -018 -007 -021 -072 -075 -088 -096 -108 -094 -083 -041 -010 -024 -077 -037 -032	.559 -072 -075 -059 -052 -074 -086 -094 -112 -107 -061 -042 -063 -119 -214 -218 -218 -218 -218 -218 -218 -218 -218	.394 072 074 074 070 071 057 021 .025 .005 .025 .004 .033 .103 .103 .103 072 .143 074	.498 070 049 046 049 033 050 049 049 055 065 079 101 079 101 045 079 101 045 023 023 049	.512 -038 -004 -036 -005 -075 -075 -075 -154 -151 -135 -141 -132 -129 -098 -098 -025 -032 -007 -027	.031 .220 .023 .096 .195 .173 .174 .160 .173 .174 .185 .220 .138 .014 .051 .051 .051 .051	.043 -827 -405 -270 -251 -244 -249 -228 -237 -234 -254 -245 -245 -245 -245 -245 -245 -24	.015 -723 -622 -509 -406 -363 -329 -318 -296 -226 -149 -006 -006 -158 -232 -237 -092 -019		-257 -748 -656 -621 -585 -542 -1469 -284 -196 -128 -128 -128 -128 -128 -128 -128 -128	.382 -548 -446 -446 -446 -410 -387 -263 -263 -263 -216 -193 -181 -159 -133 -116 -159 -087 -087 -087	-0500	Lower surface
Lower surface	.0125 .0250 .0500 .0750 .1500 .2500 .3500 .4500 .3500 .4500 .5500 .6500 .7500 .8500 .7500 .8500 .7500 .8500 .7500 .8500 .7500 .8500 .7500 .8500 .7500 .8500 .7500 .8500 .7500 .8500 .7500 .8500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500	.157 .116 .096 .074 .049 .006 .0030 .038 .055 .062 -115 .094 .153 .108 .201 .395 .201 .395 .384 .204 .209	.029 .003 .004 007 023 032 051 058 113 112 125 144 151 165 185 902 611 545 425 336	018 032 032 038 045 067 083 101 119 129 135 175 187 221 211 211 213 843 472 294 164	021069082094115120136180180196227245245265432554440320206128	087 098 109 112 135 157 177 174 238 258 3316 332 346 346 346 346 398 462 346 218 218 218 218 218 218	147 1689 222 254 245 245 270 326 273 285 280 231 195 138 124 089 005 021 034	.297 .268 .238 .238 .136 .135 .104 .067 .057 .048 .007 .019 .006 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046 .1046	.342 .2613 .203 .189 .154 .118 .077 .060 .029 .005 .007 .031 .052 .095 .129 .995 .129 .470 .346 .246 .140	.328 .256 .192 .152 .136 .088 .027 022 038 061 092 117 158 173 845 845 254	-326 -2545 -1545 -1543 -074 -058 -002 028 153 153 228 228 228 228 228 228 228 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 210 21	.325 .257 .188 .139 .099 .058 .013 .024 057 118 127 261 263 253 252 173 052 016	.305 .247 .179 .102 .047 .009 046 .100 139 131 129 131 129 131 129 039 052	*0125 *0250 *0750 *0750 *1750 *1500 *2500 *3500 *3500 *4500 *5500 *6500 *5500 *6500 *7500 *8650 *7500 *8650 *9500 *9500	Upper surface

	Fraction				-	Pr	essure co	efficient, C _p	, at					Fraction	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	of chord	
Upper surface	0500 0000 0125 0250 0750 11000 2200 2500 3500 3500 4000 5500 7700 8000 8000 8000 8000 9000	M =	0.90610 -1.097953864796479346370383370392407361172010153162058038038038038038038038038038038038038038038038038038038	α = 8 909 -1.0479969869509509268688888854583902080454183902083903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903903	-997 -981 -976 -976 -974 -956 -929 -892 -872 -873 -802 -759 -718 -558 -572 -442 -306 -168 -127 -988 -989 -989 -989 -989 -989 -989 -98	δ = -14 • 8 - 058 - 635 - 627 - 618 - 598 - 576 - 569 - 576 - 569 - 562 - 557 - 563 - 561 - 602 - 620 - 558 - 558 - 558 - 552 - 428 - 428		M .020 .188 .427 .9613157 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617 .6617	-1.125 -1.355 -1.355 -1.324 -1.334 -1.3340 -1.274 -608 -458 -458 -458 -458 -458 -458 -458 -45	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	893 814 819 798 778 763 773 716 700 693 713 718 707 693 673 672 672 693 672 693 672 693 672 693 672 693 672 693 672	5 = -14. - 301 - 530 - 527 - 5524 - 517 - 5527 - 532 - 532 - 5532 - 5532 - 5532 - 5532 - 497 - 497 - 493 - 4460 - 4460 - 4444	9 - 389 - 379 - 379 - 376 - 376 - 376 - 376 - 376 - 376 - 376 - 361 - 395 - 316 - 276 - 263 - 276 - 263 - 276 - 263 - 255	0500 -0000 -0000 -0125 -0250 -0500 -0750 -1500 -2500 -3500 -4500 -5500 -6500 -7500 -8500 -7500 -8500 -8500 -7500 -8500 -7500 -8500 -8500 -7500 -8500 -8500 -8500 -9500 -8500 -9500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500	Upper surface
Lower surface	*0125 *0250 *0500 *0500 *0750 *1000 *1500 *2000 *3500 *3500 *4500 *4500 *5000 *6500 *6500 *7000 *8000 *9000	. 439 . 425 . 467 . 422 . 347 . 314 . 293 . 244 . 190 . 111 . 065 . 046 . 033 . 023 . 060 . 305 . 294 . 293 . 161 . 293 . 294 . 193 . 294 . 193 . 294 . 193 . 294 . 193 . 294 . 193 . 294 . 293 . 294 . 294 . 295 . 296 . 296	.511 .453 .382 .342 .308 .260 .212 .188 .148 .109 .074 .044 .021 .015 .069 .1.075 .438 .366 .271 .208 .109	. 452 . 415 . 349 . 300 . 276 . 225 . 187 . 141 . 084 . 063 . 032 . 006 . 045 075 131 1131 861 415 196 100 029	.414 .396 .323 .283 .197 .173 .115 .074 .039 .012 .033 .072 .111 .164 .183 .395 .395 .376 .136 .090	.405 .368 .311 .274 .231 .172 .131 .085 .046 .010 .018 .055 .094 .131 .147 .118 .130 .091 .091 .091 .091 .091 .091 .091 .09	.405 .354 .293 .248 .193 .150 .093 .047 .002 -065 -101 -088 -124 -110 -112 -128	.522 .552 .651 .598 .502 .455 .420 .357 .275 .260 .150 .122 .082 .093 .122 .093 .205 .122 .093 .205 .122 .093 .205 .093 .093 .093 .093 .093 .093 .093 .093	224 148	.498 .498 .458 .414 .389 .286 .245 .208 .176 .104 .058 .017 .048 -100 -1131 .837 -216 .113 .038	.429 .445 .404 .371 .337 .284 .255 .194 .150 .107 .075 .022 -024 -067 -136 -136 -146 -143 -146	121 126 110 101 099 087	121 166 156 146 165 176 224	.4000 .4500 .5000 .5500 .6500 .7000 .7500 .8500 .9000	Lower surface
Upper surface	0500 0000 0000 0125 0250 0250 0300 1000 1000 2500 3500 3500 5000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 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Lower surface	*0125 *0250 *0500 *07500 *1000 *15000 *25000 *35000 *35000 *55000 *55000 *55000 *55000 *55000 *55000 *55000 *55000 *55000 *55000 *55000 *55000 *55000 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500	.481 .408 .385 .367 .310 .245 .209 .196 .145 .004 .004 .004 .005 .006 .006 .006 .006 .006 .006 .006	.112 .023 973 349 286 234 199	082 -1.088 656 295 172	.407 .463 .454 .434 .408 .328 .265 .1226 .181 .144 .089 .008 008 108 105 144 1155	002 023 028 061 062 063 074	159 159 205 223	*564** *766** *9707** *877** *878** *899** *644** *500** *48: *399** *277** *211** *14** *14** *14** *15** *14** *14** *15** *14** *14** *15** *14** *15** *14** *15** *14** *15** *14** *15** *14** *15** *14** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *16** *	7723	.597 .575 .565 .517 .476 .430 .7388 .351 .321 .321 .321 .321 .321 .321 .321 .32	*16: *11: *05: 01: *10: *34: *11: *09: *09: *11:	4024 4 4224 4 4224 7 4004 7 305 1 335 2 295 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	318 318 318 318 318 318 318 318 318 318	8 +0250 2 +0750 4 +1500 5 +2500 6 +2500 9 +3000 8 +4000 7 +4500 1 +5000 2 +5500 1 +6000 2 +5500 6 +6500 6 +7500 8 +8500 8 +	Upper surface

TABLE V.- Continued ${\rm PRESSURE~COEFFICIENTS,~WING~WITH~DEFLECTED~AILERON,~} \delta_{\rm N} = -15^{\rm O}$

	Fraction			7.2		Pr	essure coef	ficient, Cp	, at					Fraction	1
	chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	chord	L
	0500	•056	0.94	α = 0		δ = -14 + 5		•048	0.94		2 • 9	δ = -14.		0500	
	.0000 .0125 .0250 .0500 .0750 .1000	• 224 • 186 • 117 • 040 • 030 • 032 • 000	-491 -020 -005 -001 -008 -031 -060	.585 077 079 058 051 077 095 108	.384 122 129 111 105 085 102	.483 168 099 087 081 059 071	.586 157 088 100 111 118 139	*230 *070 -*006 -*100 -*090 -*080 -*104 -*098	•295 •424 •309 •173 •158 •155 •172 •161	522 713 372 276 235 236 222 232	048 -1.007 882 400 360 322 319	-359 -937 -821 -651 -466 -372 -274	-580 709 599 544 486 454	.0000 .0125 .0250 .0500 .0750 .1000 .1500	
	2000 2500 3000 3500 4000 4500 5500 6500 7000 8500 88000 88500 9000 9500	015 022 050 046 070 110 116 087 068 .029 .058 .124 .035 148 286	060 086 096 118 113 119 113 060 .002 .127 .325 .155 .091 .052	108 134 128 092 063 010 059 122 223 425 296 192 112 054 001	-083 -076 -056 -011 -019 -042 -090 -103 -120 -025 -074 -199 -180 -157 -155				-161 -183 -179 -202 -212 -229 -236 -193 -070 075 -251 -220 -129 -065 -029			222 192 166 152 138 135 140 156 159 181 158 130 092 0045 002	402 390 367 322 284 209 172 147 057 037 .002 .018 .038	2500 3300 3500 4500 5500 5500 6600 6500 7500 8000 8500 9500	
1	*0125 *0250 *0500	•177 •139 •121	.059 .032 .027	.012 003 002	.020 035 045	.004 029 051	006 049 098	•270 •232 •232	•277 •206 •160	•268 •196 •140	•278 •200 •141	•286 •215 •151	•283 •214 •157	*0125 *0250 *0500	
	.0750 .1000 .1500 .2000 .2500 .3000	.099 .067 .030 .018 010 019	.017 001 009 030 038 061 094	014 025 047 068 084 105 113	060 072 095 097 107 131	059 080 110 137 142 171 188	142 178 183 205 261 319 316	.201 .154 .120 .106 .080 .049	•147 •120 •087 •051 •039 •009	.106 .088 .058 .025 .001 024 038	•108 •079 •039 •027 -•019 -•048	•105 •071 •032 ••002 ••033 ••060 ••096	.085 .021 008 070 130 192 252	.0750 .1000 .1500 .2000 .2500 .3000	
	.4000 .4500 .5000 .5500 .6000	041 088 090 080 129 087	091 108 122 128 133 142	118 131 144 154 172 158	158 180 200 212 248 218	208 231 261 282 295 341	341 338 364 373 389 425	.029 015 010 032 075 045	025 045 063 073 091 106	050 071 095 109 142 146	091 123 144 173 216 204	117 151 191 215 249 301	308 326 356 354 337 291	.4000 .4500 .5000 .5500 .6000	
	.7000 .7500 .8000 .8500 .9000 .9500	162 339 345 378 405 378 224	750 546 506 470 440 405	-1.007 973 888 584 413 217	384 624 658 590 490 310	420 440 470 501 446 295	373 308 060 .042 .068	124 315 332 363 389 344 167	696 540 483 440 401 305	-1.026 949 706 488 359 200	394 569 520 410 333 200	387 406 424 366 163 023	-0143 -051 030 060 070	.7000 .7500 .8000 .8500 .9000 .9500	
1	,		0.94	α = 8	•0	δ = -14.7			0.94	α = 1	2.0	δ = -14.	В		ŀ
	-40500 -0000 -0125 -0000 -0150 -0000 -1500 -2500 -3500 -3500 -4500 -5500 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -7000 -	.058 .269 -156 -250 -1395 -1396 -275 -291 -291 -206 -295 -330 -356 -275 -200 -184 -200 -184 -200 -184 -275 -475 -475 -475 -475 -475 -475 -475 -4	-,474 -1.106897757757715313342355346355346366392388366392398300010010010010010010010010010010010010010010010010010010010010010010010010010010010010010010	762 979 904 858 858 852 8728 6451 458 438 439 439 144 392 144 392 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138 138		089 810 795 775 775 738 722 722 724 751 740 751 727 740 726 727 727 726 726 726 726 727 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726 726	406 3089 3089 3785 357 3587 3587 3587 3587 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 2810 28	.058 .220 348 4884 6612 559 443 424 443 424 445 478 478 392 392 211 2184 2184 2184 2184	982 -1-256 -1-224 -1-1-220 -1-1-228 -1-1-222 -1-161 567 422 451 451 451 479 479 479 1028 0028 0028 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 0073 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596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 596 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Table V.- Continued $\label{eq:varphi} \text{PRESSURE COEFFICIENTS, WING WITH DEFLECTED AILERON, } \delta_{N} = -15^{O}$

Т	Fraction					Pr	essure coe	efficient, C _F	o, at					Fraction	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	of chord	
Upper surface	0500 .0000 .0125 .0250 .0500 .0750 .1000 .1500 .2000 .2000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 .3000 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 ${\bf TABLE~V.-~Continued}$ PRESSURE COEFFICIENTS, WING WITH DEFLECTED AILERON, $~\delta_{{\bf N}}=-15^{\rm O}$

T	Fraction					Pr	essure coe	fficient, Cp,	at					Fraction	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	chord	
	0500 .0000 .0125 .0250 .0250 .1000 .2500 .3500 .3500 .4500 .4500 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000	M = 103 310 -087 -178 -300 -294 -251 -219 -211 -252 -225 -225 -298 -305 -298 -313 -273 -191 -178 -2025 -265 -265 -265 -276 -276 -276 -276 -276 -276 -276 -276	0.98 -368 -1.029 -810 -633 -606 -387 -435 -295 -301 -318 -341 -202 -032 -012 -037 -037	$\alpha = 8$ 647 952 828 876 776 7761 616 536 866 381 379 374 013 214 013 205 177 038 005	732 908 903 995 887 870 873 166 197 774 716 551 586 510 441 398 403 331 399 403 331 399 403 331 399 331 399 331 399 331 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399 399	δ = -14.7 039937904885865885820817837820818817803794772750606549488424389	570 563 599 599 5946 5946 5910 5105 5011 487 487 487 487 487 487 487 487 391 391 391 391 397 350	M = 4098 4258 -279 -4408 -2536 -4493 -4423 -4423 -4423 -4326 -3326 -3327 -3326 -3326 -3326 -3326 -3326 -3326 -3326 -3326 -3336 -3336 -3336	0.98881 -1.157 -1.121 -1.112 -1.115 -1.1053633984004214464433203243493173143173143173164315	α = 12 -1.012 -1.012 -1.016998 -1.014995 -1.025 -1.042 -1.030 -1.030 -1.039 -1.029 -1.039 -1.029 -1.039 -1.039 -1.039 -1.039 -1.039 -1.039 -1.039 -1.039 -1.039 -1.039 -1.039 -1.039 -1.039 -1.039 -1.039 -1.039 -1.039	977 991 988 992 994 995 -1.005 -1.005 -1.007 -1.035 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -1.037 -	5 = -14. 4449088598598177867547587347287388088088088097909884843793793		0500 -0000 -0000 -0125 -0250 -0250 -0750 -1000 -2500 -3500 -4500 -5500 -6500 -7500 -7500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500 -8500	Times annihity
LOWEI SULIACE	*0125 *0250 *0500 *0750 *1000 *1500 *3500 *3500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500	.489 .471 .512 .470 .392 .361 .238 .228 .211 .167 .115 .092 .092 .095 .095 .217 .227 .228 .228 .227 .227 .227 .227 .22	*551 *488 *421 *383 *393 *262 *1236 *193 *153 *147 *119 *006 *006 *006 *364 *343 *337 *360	.496 .450 .389 .347 .324 .271 .229 .162 .138 .118 .090 .057 .030 .014 .039 .896 .843 .713 .476 .386 .217	.447 .428 .352 .313 .288 .234 .211 .155 .122 .090 .066 .022 .009 .042 .092 .092 .092 .092 .092 .092 .092 .09	•432 •393 •341 •300 •261 •016 •162 •112 •014 •052 •014 •052 •014 •052 •014 •052 •014 •053 •033 •035 •035 •035 •035 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036 •036	.402 .355 .301 .254 .210 .159 .098 1048 -021 -076 -143 -182 -225 -270 -305 -333 -335 -302 -296	# 578 # 603 # 605 # 6041 # 543 # 500 # 644 # 543 # 500 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 646 # 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646 # 646 # 646 # 646 # 646 # 646	8650 6620 5518 476 477 478 479 4342 297 4253 240 209 175 148 106 045 -18029 -3363 -325 -3306 -288 -301	.548 .542 .497 .455 .429 .375 .330 .255 .223 .197 .122 .085 .027 	*462 *473 *433 *398 *368 *316 *289 *129 *190 *156 *078 *037 *-002 *057 *-108 *339 *-590 *-595 *-310	.430 .433 .403 .371 .377 .284 .299 .158 .043 .004 .005 .111 .264 .277 .277 .293	**************************************	.7500 .8000 .8500	
Upper surface	0500 .0000 .0125 .0255 .0250 .0750 .0750 .1500 .2500 .3500 .4500 .4500 .6500 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000 .6000	M .095 .125	095	α = 1 -1.165 -1.108 -1.093 -1.129 -1.116 -1.128 -1.124 -1.214 -1.237 -1.194 -1.271 -1.261 -1.272 -1.140 -2.22 -1.140 -0.338 -535 -261 -0.272 -0.110 -0.868 -0.277 -0.110 -0.868 -0.271 -0.288	6.8 991 -1.069 -1.064 -1.058 -1.025 -1.025 -1.025 -1.025 -1.025 -1.025 -1.025 -1.025 -1.025 -1.025 -1.025 -1.025 -1.025 -1.025 -1.025 -1.025 -1.025 -1.025 -1.025 -1.025 -1.025 -1.025 -1.025 -1.025 -1.025 -1.025 -1.025 -1.025	6 = -15. -675 -772 -761 -752 -7737 -732 -717 -717 -717 -717 -716 -716 -716 -750 -758 -779 -756 -758 -759 -758	- 460 - 477 - 469 - 498 - 498 - 593 - 588 - 588 - 588 - 574 - 576 - 578 - 579 - 577 - 577	M .085011950985950985995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995995	= 0.98 -1.225 -1.328 -1.326 -1.319 -1.328 -1.303 -1.318 -1.300 -1.201 -1.017 -856 -779 -8706 -695 -8686 -424 -324 -322 -315 -312 -312	α = 2 -1.193 -1.176 -1.157 -1.189 -1.163 -1.163 -1.165 -1.211 -1.195 -1.166 -1.132 -1.099 -1.076 -1.045 -998 -973 -961 -915 -9877 -8877 -887		74/79/79/79/79/79/79/79/	0 -641 6 -636 7 -639 1 -633 1 -633 1 -633 7 -626 7 -626 8 -612 8 -612 6 -612 6 -612 6 -612 6 -612 7 -605 7 -605 7 -605 7 -605 8 -612 8 -612	.0500 .0750 .1000 .1500 .2500 .3500 .3500 .4500 .5500 .6500 .6500 .7500 .6500 .7500 .8500 .8500 .8500	
Lower surface	*0125 *0250 *0500 *0750 *1000 *15000 *25000 *3500 *3500 *3500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *55000 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *5500 *55	. 733 .877 .816 .639 .639 .539 .534 .461 .410 .411 .366 .367 .211 .257 .257 .277 .277 .277 .277 .277 .277	*** 177	.289 .247 .200 .151 .086 .017 900 748 379 276 212	.451 .406 .378 .317 .277 .235 .201 .149 .108 .055 .077 .067 .308 .493 .531 .508 .021	.441 .421 .394 .346 .304 .250 .217 .180 .0 .145 .100 .0 .485 .100 .0 .485 .100 .100 .100 .100 .100 .100 .100 .10	.173 .118 .072 .019 009 046 100 085 126 132 147	.617 .815 1-012 .921 .704 .742 .773 .650 .533 .510 .452 .380 .355 .377 .122 .121 .121 .121 .121 .121 .131 .131	*447 *406 *362 *321 *255 *155 **868 **226 **207 *********************************	*614 *567 *523 *482 *441 *372 *372 *321 *267 *214 *136 *048 *372 *415 *415 *415 *415 *415 *415 *415 *415	.26 .21 .16 .11 .04 03 27 40 03 03	6 436 456 456 456 456 456 456 456 456 456 45	3	2 .0250 0 .0500 0 .0500 0 .0750 0 .1500 0 .2500 2 .3000 4 .3500 2 .4500 0 .5500 4 .6000 5 .6500 7 .7000 8 .6000 0 .8500 0 .	

 $\mbox{TABLE V.- Continued}$ PRESSURE COEFFICIENTS, WING WITH DEFLECTED AILERON, $\delta_{\mbox{N}}$ = -150

	Fraction				-	Pre	essure coef	fficient, C _p ,	at					Fraction	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	of chord	
		M =	1.03	α = 0	• 3	δ = -14•4		M =	1.03	α = 4	.1 6	5 = -14.5	5		
Upper surface	0500 .0000 .0125 .0250 .0500 .0750 .1000 .2500 .3000 .3500 .4500 .4500 .5500 .6500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500 .7500	072 .167 .153 .092 .019 .019 .019 .010 010 010 034 060 090 102 102 102 102 055 .099 .085 .090	. 489 - 028 - 012 - 0010 - 024 - 052 - 074 - 074 - 076 - 120 - 140 - 140 - 140 - 284 - 284 - 284 - 284 - 286 - 115 - 080	.590 -058 -061 -040 -037 -057 -071 -083 -119 -119 -138 -117 -098 -126 441 -372 -264 -196 -196 -196 -196 -196 -196 -196 -196	.408 -105 -121 -1038 -093 -121 -134 -164 -170 -184 134 126 204 139 -036 -034 -233 -238	-437 -222 -201 -180 -167 -1149 -168 -155 -016 -065 -065 -065 -004 -008 -004 -008 -1151 -116 -139	.777123065052043033035048079118153153155140165134185133195134133135139139132	078 .190 .039 -036 -130 -124 -105 -117 -106 -139 -1170 -1183 -1202 -1170 -1183 -1202 -127 -045 -075 -1588 -204 -222	*267 -*576 -*451 -*201 -*177 -*177 -*177 -*167 -*1184 -*184 -*184 -*194 -*222 -*216 -*217 -*173 -*1184 -*222 -*216 -*222 -*106 -*222 -*106 -*222 -*106 -*222 -*106 -*222 -*106 -*222 -*106 -*222 -*106 -*222 -*106 -*222 -*106 -*222 -*106 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222 -*222	. 4351 -8758 -8768 -8703 -2370 -2370 -2299 -2269 -2260 -2240 -2240 -2262 -272 -0652 -272 -0654 -072 -072 -072 -072 -072 -072 -072 -072	085 945 913 824 579 328 326 316 316 328 325 168 .015 .075 .091 .022 048 149 212 175	-341 -1:035 -977 -932 -884 -827 -614 -330 -347 -336 -332 -170 -095 -094 -125 -125 -125 -125 -125 -126 -125 -126 -125 -126 -125 -126 -125 -126 -125 -126 -125 -126 -125 -126 -125 -126 -126 -126 -126 -126 -126 -126 -126	.061 -1.081 -1.026 -1.024 995 968 934 906 887 713 475 339 307 208 235 206 215 152 102 048	-0500 0000 0000 0125 0250 0250 0750 0750 2000 2000 2000 2500 4000 4500 6500 6500 6500 7750 8000 8900	Upper surface
Lower surface	0125 0250 0950 1000 1000 2000 2000 3000 3500 4500 4500 6500 7500 8500 9500 1,0000	.137 .105 .094 .076 .044 .018 .020 .003 .007 .012 .002 .051 .060 .057 .103 .071 .116 .271 .319 .337 .209	.043 .016 .022 .019 .006 -010 -017 -022 -035 -067 -102 -109 -116 -110 -600 -427 -393 -374	.029 .015 .0015 .0013 .003 .003 .0055 .075 .077 .127 .126 .131 .092 .799 .787 .776 .647 .517	.056 -003 -014 -031 -047 -067 -076 -080 -1101 -111 -112 -142 -154 -154 -155 -582 -582 -551	.095 .030 .007 .007 .021 .048 .069 .088 .096 .119 .133 .140 .157 .167 .167 .185 .286 .287 .311 .344 .370	.165 .098 .045 .003 .020 .0051 .0066 .117 .163 .173 .191 .191 .2216 .2223 .240 .274 .274 .274 .274 .255 .240 .230	*262	.342 .273 .213 .213 .1184 .155 .124 .113 .003 .004 .003 .002 .003 .002 .012 .394 .394 .312 .325	- 348 - 224 - 224 - 196 - 177 - 134 - 103 - 077 - 054 - 028 - 028 - 026 - 028 - 026 - 028 - 784 - 518 - 416 - 228 α = 1	. 355 . 287 . 226 . 187 . 189 . 128 . 077 . 053 . 021 . 001 . 001 . 007 . 003 . 005 . 073 . 025 . 073 . 046 . 075 . 075	- 389 - 3004 - 245 - 200 - 168 - 142 - 104 - 004 - 0049 - 0099 - 143 - 271 - 278 - 321 δ = −14	. 425 . 367 . 260 . 220 . 151 001 . 001 . 003 . 133 . 133 . 175 . 237 . 237 . 239 . 339 . 339 . 339 . 339	0250 0250 0500 0750 1000 1500 2000 2300 3500 0350 000 3500 0500 7500 8500 8500 8500 9500 1000 1000 1000	Lower surface
Upper surface	-10500 .0000 .0125 .0250 .0550 .0550 .1500 .22000 .23000 .33000 .33000 .34000 .35000 .2000 .35000 .2000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000 .35000	M -084 -213 -055 -155 -280 -271 -244 -248 -210 -206 -213 -213 -265 -1213 -214 -1218 -218 -219 -228 -244 -248 -219 -219 -228 -241 -123 -161 -198 -211	= 1.03 224 -1.019913523468415362295298280279284307301310227081001007020	α =531 -1.017996873806687496496405334304300322338344274019230208317079005	7138818871876879790764620534312312346388	.020 -922 -8884 -870 -876 -8124 -818 -761 -750 -732 -720 -700 -662 -662 -662 -662 -662 -662 -662 -6	553 540 539 527 514 515 476 458 445 445 445 458 445 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 458 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558 558	1129 1129 1186 -1175 -298 -493 -493 -118 -211 -211 -211 -229 -229 -336 -331 -347 -293 -251 -202 -211 -205 -211 -205 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219 -219	728 -1.040 -1.005 994 967 530 305 379 316 333 357 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 362 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936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936 936	883877877887889913913889913889913889913889913889913889913899913899913899913899913899913994	333 841 817 774 775 753 724 772 772 774 774 774 876 873 865 873 865 873 767	-: 407 -: 398 -: 384 -: 375 -: 271 -: 349 -: 319 -: 319 -: 286 -: 286 -: 286 -: 275 -: 277 -: 274 -: 281	-0900	Lower surface
Lower surface	.0125 .0250 .0750 .0750 .1000 .2100 .2200 .2500 .3500 .3500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500 .5500	.402 .377 .355 .256 .253 .243 .196 .155 .128 .140 .130 .024 -159 .179 .179 .179	.555 .491 .427 .393 .366 .281 .226 .188 .187 .162 .138 .128 .095 .054 .233 .226 .233 .237 .237 .237 .237	.509 .466 .406 .364 .348 .261 .261 .269 .200 .178 .110 .084 .047 .016 .780 .741 .540 .741 .540 .741 .741 .741 .741 .741 .741 .741	.483 .449 .392 .353 .327 .263 .263 .217 .149 .060 .028 .014 .039 -231 -447 -509 -472 -389	243	. 456 .412 .365 .320 .250 .225 .168 .118 .052 .001 .1068 .109 .162 .228 .227 .228 .227 .225 .226 .232	.543 621 7522 7707 595 6551 6511 1440 2933 2378 235 220 2077 6777 -1445 -1318 -1397 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297 -1297	696 606 606 5524 476 427 3399 3316 2276 2244 2279 1172 	705 478 292 225	.524 .535 .497 .464 .432 .384 .259 .207 .204 .157 .119 .081 .032 .016 .032 .016 .032 .017 .047 .047 .047 .047	.152 .116 .073 .026 029 084 155 174 195 213	.450 .406 .370 .318 .287 .230 .318 .117 .072 .003 .003 .003 .003 .003 .003 .003 .00	0250 0500 0750 1000 1500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500 12500	Upper surface

Table v.- Concluded ${\tt PRESSURE~COEFFICIENTS,~WING~WITH~DEFLECTED~AILERON,~} \delta_{\rm N} = -15^{\rm O}$

	Fraction					Pr	essure coef	ficient, Cp	, at					Fraction	
	of chord	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	chord	
		M =	1.03	α = 16	.8	δ = -15.0		M	= 1.03	α = 2	1.1	δ = -15.	3		
	0500	•152						.166						0500	
- 1	•0000	.161	987	-1.021	923	666	377	.077	-1.109	-1.108	991	812	524	.0000	
	.0125	499	-1.157	973	956	902	370	819	-1.229	-1.084	-1.033	-1.005	516 516	+0125 +0250	
	.0250	609	-1.151	958	954	885	368	861	-1.226	-1.062	-1.033 -1.035	-1.000 999	511	.0500	
- 1	0500	720	-1.155	996	954	879	366	884	-1.212	-1.099 -1.071	-1.035	- 995	507	.0750	
- 1	•0750	674	-1.177	987	952	869	366	755	-1.216 -1.229	-1.105	-1.039	956	506	.1000	
- 1	•1000	626	-1.166	-1.021	946	840	362	599	-1.229	-1.133	-1.040	956	496	.1500	
- 1	•1500	518	-1.199	-1.080	955	839 805	350	537	-1.184	-1.152	-1.033	913	487	.2000	0
Φ.	•2000	428	-1.124	-1.105	947	773	349	521	-1.020	-1.168	-1.059	881	481	.2500	ac a
surface	• 2500	394	775	-1.123 -1.072	973	746	349	520	823	-1.182	-1.061	842	476	.3000	surface
1	•3000 •3500	392	442	-1.072	967	718	354	506	689	-1.174	-1.059	806	471	.3500	sa
	.4000	390	426	-1.168	943	690	361	530	613	-1.192	-1.033	796	-:467	.4000	Upper
Upper	+4500	420	429	-1.162	943	666	369	550	579	-1.175	-1.035	781	458	.4500	l a
å l	•5000	437	457	-1.119	939	702	378	552	594	-1.164	-1.032	762	450	.5000	1 5
5	+5500	444	455	-1.038	920	770	386	563	590	-1.139	-1.016	755	449	•5500	1 -
	•6000	452	463	894	913	830	394	589	595	-1.080	965	758	452	•6000	
	.6500	409	377	604	914	857	401	535	547	964	986	763	457	+6500 +7000	
	•7000	366	167	413	890	840	406	499	293	878	991	754	464	•7500	
	•7500	288	158	231	860	810	413	419	258	827	977 -1.075	743 688	476	.8000	
	.8000	260	174	125	949	775	422	393	269 263	706 593	-1.056	-+618	484	.8500	1
	.8500	234	174	079	987	688	442 452	346	-0255	486	-1.144	586	492	•9000	
	• 9000 • 9500	199 187	161 146	071 050	-1.017 -1.130	602	473	360	250	385	-1.186	610	506	•9500	
	• 7300	•101													-
	•0125	+648	.754	.615	.507	.445	+417	•657	•766	•590	+469	• 392 • 472	.371 .402	.0125 .0250	
	•0250	.774	4770	.654	.557	.491	•420	.858	.820	•673	+549		.433	+0500	
	• 0500	.926	.736	.640	.551	.488	+420	1.044	.810	+693 +674	*575 *566	•500 •499	.432	+0750	
	•0750	.872	.698	.611	.530	•472	•400	•967	a787	+657	.551	• 483	.400	•1000	
	•1000	.747	•660	•590	•508	.448	.357 .329	.836 .791	.754 .702	•613	.510	. 446	.389	•1500	
	•1500	•697	•608	.541	.463 .435	.402	.272	.748	.648	•570	.486	•412	.343	.2000	1
	•2000	•652	.554	.496 .454	.379	•320	.233	.686	+615	.532	.431	• 372	.313	• 2500	
	• 2500	.590	475	415	1338	7283	1174	+613	1566	1490	-395	.329	.263	13000	1 0
ce	43000 43500	.519 .496	.427	.381	•297	.244	•122	•585	•519	+453	+350	.294	.220	.3500	surface
fa	• 4000	.478	.409	.352	.264	.211	.062	.565	.498	.421	.319	.264	.166	.4000	1 2
surface	.4500 .4500	.421	.375	.310	.214	.164	.024	.506	+458	.373	.262	.220	.130	.4500	1 20
	•5000	•360	.334	.264	.172	.120	019	.430	.413	.321	.218	•170	.079	.5000	H
eı	•5500	.322	.300	.220	.127	.064	065	.400	•374	.269	.168	•118	.045	•5500	Lower
Lower	•6000	.319	.248	.155	.065	.013	082	*391	•308	•195	•102	•071	.045	•6000	10
H	+6500	.274	.164	.090	.007	035	072	•334	•210	•111	.029	•065	012	•6500	H
	.7000	.137	785	772	215	100	055	•183	736	758	208	•097	018	•7000 •7500	
	.7500	139	230	667	391	117	036	108	193	595	354	•116	027	. 7500 . 8000	1
	.8000	093	203	313	431	130		058	170	210	372	. 132	050	48500 48500	1
	.8500	096	180	223	417	064	045	065	176	152 139	•112 •127	•122 •124	086	9000	
	• 9000	110	172	171	165	.084	086	117 137	173 182	053	•128	•070	132	•9500	1
	• 9500	131	191	057	160	.058	131	187	- 0102	000	4120	9010	9725	1.0000	

table vi $\label{eq:vision} \mbox{Wing section normal-force and pitching-moment coefficients} \\ \delta_{N} = 0^{O}$

						c _n					cm	c/4		
М	α	δ	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2
0.80	0.2	0.0	•016	•013	•015	•001	•003	009	003	•000	•000	•003	•005	•009
0.80	2.1	0.0	•107 •213	•113	•126 •252	•133 •279	•145 •311	•120 •309	011	004	003	•001	• 005	•015
0.80	6.0	-0.1	•327	•351	•407	• 464	• 479	•354	023 035	013 018	009 008	004 003	•008 •003	014
0.80	8.0	-0.1	• 448	• 479	•544	.708	•696	•279	046	018	002	046	108	034 013
0.80	10.0	-0.1	•538	•591	•670	.861	•587	.281	047	014	005	130	087	018
0.80	12.0	-0.2 -0.3	•652 •767	•732 •889	•911 1•049	•856	•643	•337	063	026	057	155	093	024
0.80	16.5	-0.4	.873	1.054	1.049	•889 •866	•638 •676	•367 •413	-•070 -•083	040 073	127	157	093	032
0.80	18.5	-0.4	•990	1.101	1.066	.846	.702	• 449	113	128	-•165 -•176	-•148 -•144	100 109	042
0.80	20.5	-0.5	1.069	1.069	1.019	•885	•773	•508	-•169	182	-•185	157	127	062
0.90	0.2	0.0	•019	•014	•015	•004	•005	001	005	•001	•001	.003	006	200
0.90	2.1	-0.0	.116	.118	•136	.139	•153	•133	017	008	006	•003	•006 •007	•009 •021
0.90	4.0	-0.1	•225	•238	•271	.294	.334	•340	031	018	015	004	•007	009
0.90	6.0	-0.1	• 353	•373	•436	•506	•511	•396	050	033	025	014	.016	043
0.90	8.0	-0.1 -0.1	• 473 • 565	•501 •613	•576 •702	•728	•688	• 306	067	039	022	061	099	020
0.90	12.1	-0.3	•653	•725	•856	•917 •819	.626 .617	•324 •389	-•071 -•075	037 047	018	132	092	027
0.90	14.5	-0.4	.803	•902	1.054	.875	.711	• 430	109	047	065 149	146 161	098 113	039
0.90	16.7	-0.5	.908	1.046	1.118	.918	.748	• 470	124	105	179	166	122	052
0.90	18.7	-0.6	1.004	1.147	1.108	•910	•770	•525	140	147	193	169	133	067
0.90	20.8	-0.6	1.098	1.154	1.111	•951	•834	•582	-•169	-•189	-•206	-•177	151	080
0.94	0.3	0.0	•022	•014	•018	•004	•006	•003	006	•001	000	•003	•007	•009
0.94	2.0	-0.0	•118	•126	•144	•154	.166	•145	020	015	013	005	.007	•027
0.94	4.0	-0.1	•242	•258	•295	•329	• 368	•348	045	034	030	020	.001	.038
0.94	8.0	-0.2 -0.2	•369 •489	•391 •526	•447 •603	•530 •752	• 566 • 751	•483 •402	-•069	051	051	043	018	042
0.94	10.0	-0.2	•611	•655	•750	• 962	•740	•369	089 109	065 074	053 060	-•087 -•155	086 111	032 033
0.94	12.0	-0.2	•703	•759	•856	1.035	.735	•396	112	074	057	168	120	047
0.94	14.6	-0.4	• 792	•894	1.078	•911	•743	•506	-•111	087	143	180	132	066
0.94	16.7 18.8	-0.6 -0.6	.923 1.018	1.038	1.175	•979	.835	•561	-•148	119	186	191	150	076
0.94	20.9	-0.7	1.134	1.165 1.259	1.236	1.031	•879 •920	•601 •650	-•156 -•180	149 193	-•213 -•235	204 210	159 172	086 098
0.98	0.3	0.0	•021	015	022	201								
0.98	2.1	-0.1	•115	•015 •119	•022 •139	.006 .146	.008 .177	•008 •160	-•004 -•020	000 014	002 015	•003	•008	•014
0.98	4.0	-0.1	.219	•237	.277	•310	• 370	•382	020	014	015	009 029	010 026	.019 .020
0.98	6.0	-0.2	• 337	•368	•424	.494	.549	•652	061	049	053	059	037	028
0.98	8.0	-0.3	• 457	•498	•576	• 723	• 728	•680	082	066	059	096	064	085
0.98	12.0	-0.4	•576 •686	•628 •747	•736 •883	.945 1.126	.871 .986	•543 •556	-•102	077	079	175	140	065
0.98	14.6	-0.5	.825	.932	1.074	1.277	1.017	•563	-•123 -•144	093 121	101 140	239 286	176 181	068
0.98	16.8	-0.5	.935	1.053	1.200	1.298	1.002	•610	163	137	160	276	135	096
0.98	18.9	-0.6	1.029	1.145	1.329	1.220	.982	•699	-•173	145	222	256	195	110
0.98	21.0	-0.8	1.117	1.264	1.412	1.245	1.044	•746	-•187	180	-•260	263	206	121
1.03	0.3	0.0	•020	•016	•022	•002	•010	•010	004	001	002	•006	•007	•014
1.03	2.1	-0.1	.108	•117	•135	.135	•173	•159	019	014	015	005	011	.017
1.03	4.0	-0.2	• 223	•239	•278	•311	.373	• 404	042	032	033	028	031	.008
1.03	6 • 0 8 • 0	-0.3 -0.3	• 345 • 458	• 372 • 495	•428	• 490	•578	•673	067	055	055	048	045	048
1.03	10.0	-0.3	• 458	•619	•569 •728	•704 •936	• 735 • 849	•729 •547	-•086 -•100	070 076	062 076	087	075	087
1.03	12.0	-0.4	.657	.731	.864	1.097	• 965	•547	-•100 -•111	076	076	-•178 -•236	137 173	068 075
1.03	14.6	-0.5	• 783	.889	1.034	1.229	1.072	.601	133	112	138	276	205	075
1.03	16.8	-0.6	.891	1.016	1.195	1.293	1.181	•637	150	135	180	283	238	093
1.03	18.9	-0.7 -0.8	.990 1.094	1.126	1.314	1.316	1.201	•700	-•171	161	222	283	241	105
1.00	21.1	-0.8	1.094	1.227	1.391	1.327	1.137	•787	-•194	186	250	288	223	132

D

TABLE VI. - Continued
WING SECTION NORMAL-FORCE AND PITCHING-MOMENT COEFFICIENTS

		_					$\delta_{\mathbf{N}} = 7.5$	50	_					
						c_n			1 2 / 2		С	m _{c/4}		
M	α	δ	0.16b/	2 0.25b/	2 0.40b/	/2 0.60b/	2 0.75b/	2 0.95b/2	0.16b/	2 0.25b/	2 0.40b/2	0.60b/2	0.75b/2	0.95b
0.80 0.80 0.80 0.80 0.80	0.3 4.0 8.0 12.0 16.5 20.6	7.4 7.4 7.3 7.2 7.1 6.9	.098 .286 .514 .695 .935	•132 •348 •609 •825 1•142 1•117	•177 •415 •714 1•021 1•164 1•061	•126 •411 •829 •882 •880 •879	•097 •414 •720 •648 •692 •783	•052 •397 •324 •395 •463 •512	038 054 073 086 114 183	065 069 074 117	062 069 066 114 190	029 036 075 171 153 147	006 001 102 094 107 130	.009 041 022 041 053 062
0.90 0.90 0.90 0.90 0.90	0.3 4.0 8.0 12.0 16.7 20.8	7.4 7.3 7.2 7.1 7.0 6.8	•107 •317 •545 •707 •960 1•128	•148 •376 •629 •827 1•139 1•172	•190 •442 •735 •970 1•176 1•117	•145 •444 •848 •843 •929	•118 •455 •751 •653 •756 •843	•067 •429 •355 •413 •503 •581	046 077 104 097 151 196	085 102 092 147	075 092 099 115 206 226	043 059 104 137 164 159	014 019 101 106 124 152	.012 032 026 047 062 079
0.94 0.94 0.94 0.94 0.94	0.2 4.0 7.9 12.0 16.7 21.0	7.3 7.2 7.1 7.1 6.8 6.7	.099 .299 .532 .771 .980	•142 •379 •634 •865 1•133 1•314	•190 •453 •754 1•010 1•252 1•270	•148 •452 •827 1•161 •995 1•034	•125 •471 •803 •801 •847 •918	.076 .410 .489 .471 .589	-•045 -•072 -•110 -•152 -•173 -•206	068 095 122 131 160	085 107 133 130 219 253	059 077 119 218 187	033 044 097 127 151 172	.005 .003 045 060 084
0.98 0.98 0.98 0.98 0.98 0.98	0.2 4.0 7.9 12.1 16.8 21.1	7.2 7.1 7.0 7.0 6.9 6.7	.080 .286 .508 .741 .994	•127 •359 •604 •856 1•156 1•359	•180 •437 •729 1•039 1•337 1•479	•137 •432 •792 1•166 1•310 1•258	•110 •448 •812 1•050 1•078 1•057	•063 •407 •776 •627 •697 •621	038 073 109 148 189 218	064 096 119 144 186	090 113 139 174 225 285	069 087 121 241 265 252	048 060 099 190 192 206	013 .013 101 087 111 025
1.03 1.03 1.03 1.03 1.03 1.03	0.3 4.0 7.9 12.5 16.8 21.1	7.2 7.0 6.9 6.9 6.7 6.6	.068 .282 .509 .726 .947	•116 •348 •600 •850 1•104 1•323	•166 •432 •715 1•031 1•312 1•489	•113 •417 •778 1•137 1•275 1•326	.075 .441 .817 1.041 1.132 1.164	•037 •416 •788 •653 •778 •842	032 075 113 140 181 227	058 094 122 139 179 230	085 117 136 173 237 288	062 087 115 236 263	037 059 107 194 215 228	005 .009 098 098 134 151
							δ _N = -	7.50						
0.80 0.80 0.80 0.80 0.80 0.80	0.2 4.0 8.0 12.0 16.5 20.6	-7.4 -7.4 -7.5 -7.5 -7.7 -7.9	062 .124 .335 .547 .781	098 .100 .349 .599 .944 1.001	140 -094 -388 -755 1-048 -987	126 .141 .560 .817 .843	084 .204 .611 .600 .651	053 .220 .227 .286 .364 .482	•035 •015 •002 -•014 -•035 -•101	.050 .039 .038 .033 013	*061 *052 *054 *010 131 157	*03E *031 -*012 -*154 -*149 -*146	102 087 096	.005 002 007 016 033 058
0.90 0.90 0.90 0.90 0.90	0.3 4.0 8.0 12.0 16.7 20.8	-7.4 -7.4 -7.5 -7.6 -7.7 -8.0	068 .131 .374 .567 .807	095 .129 .387 .617 .918 1.100	-•144 •110 •407 •719 1•031 1•102	137 .151 .576 .780 .860 .943	101 .222 .640 .587 .712	055 .240 .253 .348 .422 .548	*043 *017 -*016 -*028 -*073 -*104	.054 .036 .017 .011 044 129	•071 •054 •050 •003 -•139 -•182		105 094 114	.005 004 011 027 042 073
0.94 0.94 0.94 0.94 0.94 0.94	0.2 4.0 8.0 12.0 16.7 20.9	-7.3 -7.4 -7.5 -7.5 -7.8 -8.0	068 .161 .385 .594 .805 1.024	098 .148 .396 .626 .905 1.154	145 .130 .426 .694 1.059 1.195	143 .174 .574 .891 .901	110 .231 .701 .656 .782	065 .271 .301 .382 .493	•045 -•000 -•032 -•053 -•082 -•119	*061 *029 *001 -*005 -*052 -*131	*080 *052 *031 *016 142 209	135 168	110 136	•014 •042 •021 •041 •059
	0.3 4.0 8.0 12.0 16.8	-7.2 -7.4 -7.5 -7.6 -7.8	047 •158 •378 •584 •775	079 .143 .379 .617 .906	-•132 •128 •412 •718 1•053	113 -175 -554 -977 1-188	093 .249 .653 .932 .932	048 .310 .382 .440 .584	•036 -•002 -•036 -•064 -•108	•055 •027 •000 ••022 ••065		172		.040 .073 028 040
.03 .03 .03 .03	0.3 4.0 8.0 12.0 16.8	-7.2 -7.4 -7.5 -7.6 -7.8	038 .159 .373 .569 .792	073 .146 .382 .607	-•126 •133 •407 •699 1•057	134 .179 .536 .983 1.210	077 .256 .634 .904 1.104	040 .336 .546 .454	•031 •005 •036 •061 •095	*050 *022 -*004 -*020 -*061	.079 .046 .023 013	187	166	.042 .063 052 050

TABLE VI. - Continued WING SECTION NORMAL-FORCE AND PITCHING-MOMENT COEFFICIENTS $\bar{\sigma}_{N}=15^{\circ}$

					(en .				,	c _m	:/4		
M	α	δ	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2
0.80 0.80 0.80 0.80 0.80 0.80	0.2 4.1 7.9 12.0 16.6 20.6	14.8 14.8 14.7 14.6 14.5	•137 •332 •536 •714 •910 1•060	•241 •462 •694 •921 1•194 1•138	•304 •549 •810 1•125 1•194 1•091	•226 •513 •896 •852 •850 •852	•170 •499 •705 •673 •704 •768	•091 •419 •352 •421 •472 •508	050 068 083 087 098 166	-•100 -•114 -•113 -•118 -•150 -•227	114 121 112 161 213 226	053 057 095 142 134	015 010 095 102 112	.011 044 030 050 057 063
0.90 0.90 0.90 0.90 0.90 0.90	0.2 4.0 8.0 12.0 16.7 20.8	14.6 14.6 14.5 14.5 14.3 14.2	•139 •338 •570 •712 •960 1•083	•238 •469 •722 •898 1•215 1•172	•309 •549 •849 1•054 1•228 1•128	•215 •490 •930 •845 •924 •883	•179 •512 •806 •666 •772 •817	•103 •449 •396 •420 •520 •565	-•063 -•087 -•117 -•098 -•145 -•180	-•111 -•132 -•149 -•129 -•180 -•242	-•134 -•144 -•152 -•154 -•236	067 073 132 129 150	031 034 109 108 127 144	.011 031 035 049 066 077
0.94 0.94 0.94 0.94 0.94	0.2 3.9 8.0 12.0 16.8 20.9	14.5 14.4 14.3 14.5 14.2 14.1	•113 •311 •535 •771 •973	•229 •458 •717 •944 1•189 1•284	.305 .557 .862 1.095 1.303 1.250	•205 •502 •880 1•123 •980 •977	• 182 • 503 • 845 • 804 • 854 • 898	•111 •420 •528 •507 •604 •653	053 078 109 147 165 190	116 139 164 167 190 259	146 162 186 173 249 270	083 100 136 185 168	060 065 111 128 151 166	010 003 054 068 088
0.98 0.98 0.98 0.98 0.98 0.98	0.1 4.0 7.9 12.1 16.8 21.1	14.4 14.4 14.2 14.2 14.2 13.9	.096 .301 .515 .780 .979	•222 •447 •686 •979 1•213 1•419	•312 •558 •832 1•184 1•417 1•548	•185 •473 •820 1•187 1•265 1•221	•135 •472 •849 1•087 1•067 1•068	.063 .413 .786 .709 .772	048 078 108 145 178 209	116 140 160 187 218 255	159 172 189 231 266 318	079 091 123 230 233 220	043 057 115 198 198 208	000 .018 108 115 132 138
1.03 1.03 1.03 1.03 1.03	0.2 3.9 8.0 12.5 16.8 21.1	14.4 14.3 14.2 14.2 14.0 13.9	.083 .295 .507 .718 .934	•195 •438 •676 •924 1•166 1•368	•292 •552 •819 1•125 1•410 1•563	•166 •469 •818 1•136 1•255 1•281	•122 •479 •841 1•052 1•148 1•137	•057 •443 •782 •693 •819 •874	-•042 -•079 -•108 -•132 -•168 -•214	108 139 160 174 210 251	-•157 -•173 -•183 -•217 -•285 -•327	079 087 122 222 241 236	044 055 114 200 221 229	.003 .012 100 107 149 161
							δ _N = -15	₅ 0						
0.80 0.80 0.80 0.80 0.80 0.80	0.2 4.1 8.0 12.1 16.5 20.6	-14.8 -14.8 -14.8 -14.9 -15.1 -15.3	087 .085 .300 .505 .741	194 .004 .245 .500 .841	264 038 .254 .635 .975	-•209 •046 •487 •797 •816 •856	158 .124 .534 .542 .610 .708	092 .159 .197 .235 .333 .454	•042 •032 •016 •005 -•013 -•064	•095 •085 •085 •080 •036	•114 •106 •108 •062 -•108 -•125	•059 •054 -•012 -•168 -•159 -•155	•025 •028 -•091 -•078 -•088 -•110	*005 *013 -*006 -*010 -*029 -*053
0.90 0.90 0.90 0.90 0.90	0.2 4.1 8.0 12.0 16.6 20.8	-14.6 -14.7 -14.8 -14.9 -15.2 -15.4	082 .107 .331 .538 .758	200 .024 .275 .514 .851	272 026 .274 .587 .949 1.041	200 •070 •518 •770 •819 •921	162 .151 .567 .528 .666	095 .181 .212 .291 .390 .527	•047 •029 •005 -•014 -•044	•108 •091 •076 •064 •003	•135 •121 •114 •068 -•113 -•154	•072 •068 •016 -•149 -•145 -•181	•041 •041 -•097 -•079 -•102 -•138	.008 .003 010 015 036 068
0.94 0.94 0.94 0.94 0.94	0.3 2.9 8.0 12.0 16.7 20.9	-14.5 -14.6 -14.7 -14.8 -15.2 -15.5	072 .056 .352 .547 .739	-•194 -•037 •295 •527 •806 1•049	-•271 -•100 •298 •576 •975 1•111	202 •000 •526 •795 •874 1•004	173 .050 .634 .558 .725	105 .101 .228 .318 .461 .596	*046 *034 -*012 -*025 -*047 -*070	•115 •099 •065 •053 •002	•146 •133 •103 •077 -•103 -•174	.093 .086 .013 118 169 209	•078 •064 -•088 -•083 -•119 -•156	•037 •033 -•013 -•028 -•053 -•085
0.98 0.98 0.98 0.98 0.98	0.3 4.1 8.0 12.1 16.8 21.1	-14.5 -14.5 -14.7 -14.8 -15.0 -15.4	054 .149 .347 .561 .761	187 .051 .290 .545 .799	-•282 -•009 •279 •601 •933 1•211	220 .084 .486 .907 1.028 1.114	134 .202 .647 .813 .832 .935	071 .266 .311 .299 .569 .659	*036 *005 -*017 -*046 -*062 -*077	•112 •083 •060 •031 •006	•156 •130 •104 •062 -•026 -•174	•112 •103 •035 -•121 -•186 -•237	•061 •070 -•053 -•141 -•158 -•179	•033 •079 -•000 -•017 -•095 -•101
1.03 1.03 1.03 1.03 1.03	0.3 4.1 8.1 12.0 16.8 21.1	-14.4 -14.5 -14.7 -14.8 -15.0 -15.3	051 .145 .353 .529 .725	161 .061 .303 .528 .777	254 .009 .293 .586 .924	174 .110 .514 .875 1.069	110 -240 -660 -867 -914 1-021	056 .319 .356 .317 .466 .608	•041 •005 -•023 -•040 -•058 -•098	•103 •075 •047 •029 -•001	*152 *119 *098 *059 -*034 -*141	.099 .093 .028 118 188	.062 .058 054 157 164 183	.032 .074 013 015 079

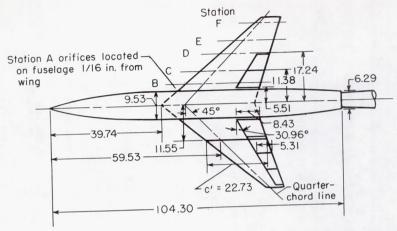
TABLE VI. - Continued
WING SECTION NORMAL-FORCE AND PITCHING-MOMENT COEFFICIENTS

$^{\delta}$ N, L	=	15 ⁰ ,	$^\delta N$	=	00

			1			,-	= 150, 01				c _m	./4		
			0.101/	olo ash /	_	c _n	0.755/9	0 05h /2	0.165/0	0.051/0			0.755/0	Lo off
M 0.80 0.80 0.80 0.80 0.80	0 • 1 4 • 1 8 • 0 12 • 0 16 • 5 20 • 6	0.0 -0.1 -0.1 -0.2 -0.4 -0.5	.052 .263 .475 .672 .891	*051 *269 *508 *754 1.062	.052 .303 .569 .929 1.126 1.052	.039 .329 .740 .857 .879	0.75b/2 •038 •357 •678 •641 •685 •787	0.95b/2 •022 •352 •286 •347 •419 •517	014 039 059 070 093 169	010 024 027 033 074 185	006 017 009 064 165 191	*000 -*010 -*055 -*155 -*154 -*161	.004 .010 104 092 102	0.95b/2 •009 -•028 -•015 -•027 -•044 -•063
0.90 0.90 0.90 0.90 0.90	0.2 4.0 8.0 12.0 16.7 20.8	0.0 -0.1 -0.1 -0.3 -0.5 -0.7	.053 .273 .518 .668 .914	.048 .283 .542 .743 1.053	.051 .311 .612 .864 1.145	.036 .343 .778 .835 .941	•037 •382 •703 •630 •772 •872	.024 .401 .317 .394 .489	020 054 089 079 124 162	014 035 055 052 108 183	-•010 -•027 -•033 -•064 -•182 -•222	002 017 078 148 174	•003 •003 -•101 -•102 -•127 -•157	*010 -033 -022 -041 -057 -084
0.94 0.94 0.94 0.94 0.94	0.2 4.0 8.0 12.0 16.7 20.9	-0.1 -0.1 -0.3 -0.2 -0.5	.046 .262 .503 .738 .945	.043 .280 .542 .789 1.055 1.278	.045 .315 .620 .888 1.202	.034 .352 .769 1.073 1.015	.038 .390 .771 .774 .854	.028 .369 .416 .400 .578	020 056 095 132 153 172	016 043 071 088 123 181	-•014 -•039 -•060 -•070 -•188 -•245	007 031 093 178 202 233	.000 009 103 127 155 182	•011 •030 -•035 -•049 -•079 -•102
0.98 0.98 0.98 0.98 0.98 0.98	0.1 4.0 7.9 12.0 16.8 21.1	-0.1 -0.2 -0.3 -0.4 -0.5 -0.8	•035 •249 •482 •702 •953 1•132	.032 .264 .512 .764 1.074	.035 .301 .588 .901 1.248 1.431	.023 .340 .741 1.165 1.339 1.265	.026 .398 .733 1.008 1.058	•024 •411 •682 •573 •643	015 052 093 127 165 183	013 041 070 096 143 183	013 039 061 103 178 266	008 035 099 254 285 267	003 027 065 181 189 208	.005 .021 088 072 105 121
1.03 1.03 1.03 1.03 1.03	0.2 3.9 8.0 12.5 16.8 21.1	-0.1 -0.2 -0.3 -0.4 -0.6 -0.8	.026 .253 .475 .689 .899	.018 .271 .515 .773 1.024 1.241	.025 .306 .585 .908 1.205	.003 .344 .742 1.155 1.286 1.343	.014 .402 .732 .996 1.188 1.156	•017 •424 •695 •578 •645 •793	008 058 089 118 152 191	005 049 071 095 136 187	007 047 059 106 183 258	.000 043 100 259 278 292	001 036 067 183 241 227	.004 .011 090 078 096 133
						δ _N , τ =	-15 ⁰ , δ ₁	x = 00						
						N,L	-10-, 0	N - 0-						
0.80 0.80 0.80 0.80 0.80 0.80	0.2 4.1 8.0 12.1 16.5 20.6	0.0 0.0 -0.1 -0.1 -0.3 -0.5	024 .168 .403 .606 .841	026 .182 .433 .692 1.015 1.046	028 .207 .495 .852 1.090 .990	037 .237 .688 .845 .863	037 .269 .684 .629 .664	033 .267 .261 .322 .395 .486	*014 -*007 -*026 -*046 -*078 -*161	.012 000 006 014 061 176	•010 •000 •005 -•039 -•155 -•178	.007 .000 068 155 153 151	.007 .009 107 091 099 122	.007 000 011 022 038 058
0.90 0.90 0.90 0.90 0.90 0.90	0.2 4.1 8.0 12.0 16.6 20.8	0.0 0.0 0.0 -0.2 -0.5 -0.6	020 .185 .421 .620 .885 1.059	027 .199 .455 .690 1.012	026 .225 .525 .825 1.080	035 .253 .670 .792 .891	038 .287 .680 .601 .730 .803	028 .302 .290 .375 .454	*014 -*014 -*044 -*060 -*120 -*169	*015 003 020 032 096 186	•013 -•000 -•005 -•053 -•170 -•190	.009 .002 041 141 160	.009 .010 102 094 119 144	.006 009 016 035 049
0.94 0.94 0.94 0.94 0.94 0.94	0.3 4.0 8.0 12.0 16.7 20.9	0.1 0.0 -0.1 -0.1 -0.5 -0.6	011 .188 .458 .655 .893 1.102	019 .214 .485 .710 1.008	020 .245 .556 .810 1.134 1.184	034 .279 .704 .959 .938 1.005	036 .301 .663 .683 .806	026 .308 .450 .383 .532 .626	*013 -*025 -*074 -*089 -*134 -*169	*017 -*010 -*044 -*050 -*108	•017 -•007 -•030 -•038 -•178 -•219	.016 001 069 148 179 195	•015 •019 -•025 -•110 -•141 -•164	.008 .041 040 041 068 093
0.98 0.98 0.98 0.98 0.98 0.98 0.98	0.2 4.1 8.0 11.0 12.1 16.8 21.0	0.0 -0.1 -0.2 -0.4 -0.4 -0.8	•214 •440 •610 •672 •915	007 .228 .478 .674 .740 1.021 1.239		022 .295 .694 1.022 1.120 1.242 1.200	•355 •695 •912 •978 •970	027 .371 .648 .526 .532 .586 .724	.009 034 074 104 116 155	•013 -•023 -•056 -•077 -•087 -•124 -•173	*013 -*021 -*049 -*081 -*096 -*144 -*251	*017 -*018 -*084 -*198 -*235 -*259 -*249		.023 .030 076 060 062 092 115
1.03 1.03 1.03 1.03 1.03 1.03	0.3 4.1 8.1 12.0 16.8 21.1	0.0 -0.1 -0.3 -0.4 -0.6 -0.8	.015 .219 .448 .638 .870 1.080	.007 .235 .483 .716 .988	•271 •556 •845 1•164	•305 •704 1•074	•368 •715 •954 1•125	004 .398 .710 .555 .611	.001 039 079 104 145 190		*005 -*028 -*052 -*090 -*171 -*248	.015 026 089 227 267 278	•018 -•027 -•068 -•170 -•222 -•214	

 ${\bf TABLE~VI.-~Concluded}$ WING SECTION NORMAL-FORCE AND PITCHING-MOMENT COEFFICIENTS

\top					c	'n					c _{mc/}	4		
_		δ	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/2	0.16b/2	0.25b/2	0.40b/2	0.60b/2	0.75b/2	0.95b/
М	α	0	0.100/ 2						000	•094	•110	.061	•024	• 006
0.80	0.3	-14.8	060	178	239	192	129	072	•032 •012	.083	•102	.050	.027	.010
0.80	4.1	-14.7	.132	.026	007	.085	•160	•192 •204	.005	•082	.108	027	093	005
0.80	8.0	-14.8	• 335	.271	•276	•540	•551	.243	001	•076	.054	168	080	011
0.80	12.1	-15.1	•528	•524	•667	.810	•558 •615	•336	015	.037	106	170	089	030
0.80	16.5	-15.2	• 736	.839	•980	.844 .880	•716	.448	060	084	130	163	111	052
0.80	20.6	-15.3	•929	•976	•966	•880	• / 10	.440						
									•024	•100	•125	•073	•040	.008
0.90	0.3	-14.7	041	174	241	180	132	071	000	•087	.112	.058	•042	001
0.90	4.0	-14.7	.158	.040	•002	•106	•175	•202	015	.068	•106	.015	102	011
0.90	8.0	-14.8	• 372	•307	• 306	•543	•591	•219 •306	017	.062	•059	157	084	018
0.90	12.1	-15.1	•547	•527	•618	• 799	•549	• 405	052	.001	122	159	108	039
0.90	16.7	-15.3	•773	.858	•980	.855	•687	.531	059	067	172	196	142	067
0.90	20.8	-15.4	•933	1.024	1.102	• 968	•810	• 551	•••					
									224	•106	•137	•098	•074	•03
0.94	0.3	-14.6	035	174	248	193	149	081	•026	•085	•117	.074	.067	• 00
0.94	4.0	-14.7	.146	.051	.006	.108	•158	• 229	003	•061	. 101	.006	094	01
0.94	8.0	-14.7	.378	.314	•315	•554	•657	• 232	024 039	.049	•076	135	095	03
0.94	12.1	-14.8	• 569	.541	•588	.855	•601	•359	057	.001	110		125	05
0.94	16.7	-15.2	•765	.822	1.006	•900	•747	• 472	068	056	187		163	08
0.94	20.9	-15.5	•930	1.049	1.198	1.064	•888	•609	000	-•000				
									•025	•106	•144	.113	•062	•03
0.98	0.3	-14.5	033	173	252	204	117	057	002	•078	.120			.08
0.98	4.0	-14.6	.159	.059	.009	•094	•197	• 256	002	.053				00
0.98	8.0	-14.7	• 365	.306	•294	•516	•656	•305	050					01
0.98	12.1	-14.8	• 563	•545	.606	.919	•852	• 307	064	•004				09
0.98	16.8	-15.0	.769	.808	• 935		•833	•565 •665	081	045			183	10
0.98	21.1	-15.4	• 943	1.031	1.246	1.125	•953	.665	-•001	-•043				
									022	•101	•146	.109	• 065	•0
1.03	0.3	-14.5	043	161	248				•033					
1.03		-14.6	.166	.081					007					0
1.03		-14.7	• 371	.320	•316				030					0
1.03			.548	.545					045					
1.03		-15.0	.745	.793					100					
1.03			. 934	.986	1.205	1.253	1.031	. 614	100		• 14			



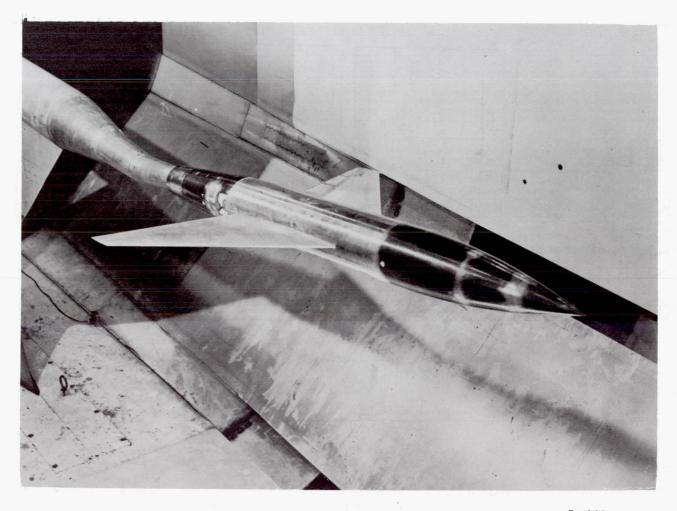
Bod	y desig	n ordinate	es
X	r	X	r
0.000	0.000	24.000	4.396
0.500	0.144	26.000	4.536
1.000	0.286	28.000	4.643
1.500	0.426	30.000	4.716
2.000	0.564	32.000	4.755
3.000	0.832	33,333	4.763
4.000	1.091	78.582	4.763
5.000	1.341	79.000	4.757
6.000	1.582	79.250	4.752
7.000	1.812	79.500	4.746
8.000	2.035	80.000	4.728
9.000	2.249	80.500	4.708
10.000	2.454	81.000	4.685
10.500	2.551	81.916	4.639
11.000	2.649	83.500	4.557
11.625	2.766	85.250	4.458
12.000	2.834	87.000	4.345
14.000	3.182	88.000	4.278
16.000	3.493		4.209
18.000	3.770	90.965	4.067
19.000	3.896	97.362	
20.000	4.014		3.143
22.000	4.223		

Wing	data
Aspect ratio	3.0
Taper ratio	0.2
Wing area	8.165 sq ft
Airfoil section	65A004
Span	59.32
Root chord	33.00
Tip chord	6.60

Wing orif	ice locations,
	t semispan
А	16.04
В	25.00
С	40.00
D	60.00
E	75.00
F	95.00

Location of each orifice, percent chord		
0.00	25.00	65.00
1.25	30.00	70.00
2.50	35.00	75.00
5.00	40.00	80.00
7.50	45.00	85.00
10.00	50.00	90.00
15.00	55.00	95.00
20.00	60.00	

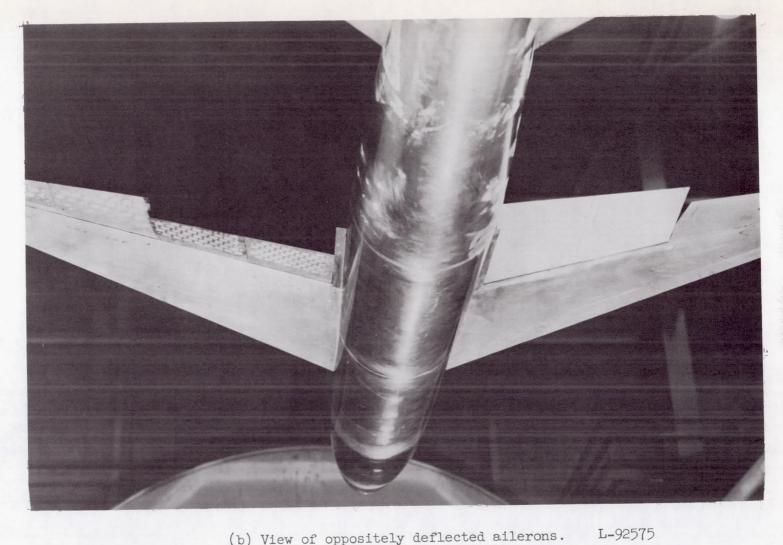
Figure 1.- Details of model. (All dimensions are in inches unless otherwise noted.)



L-87668

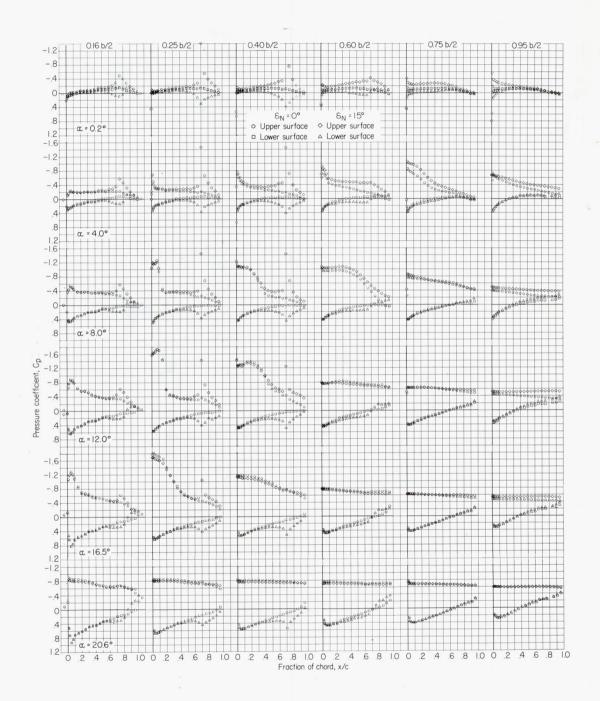
(a) Model installed in test section of Langley 16-foot transonic tunnel.

Figure 2.- Photographs of model.



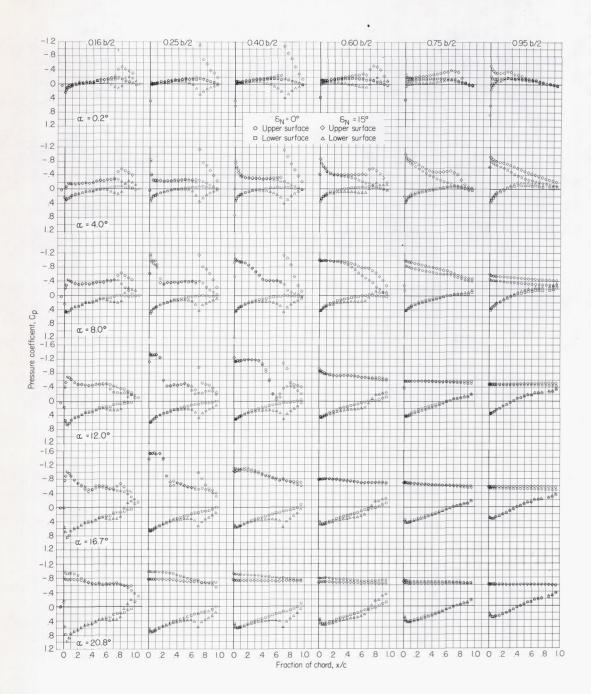
(b) View of oppositely deflected ailerons.

Figure 2.- Concluded.



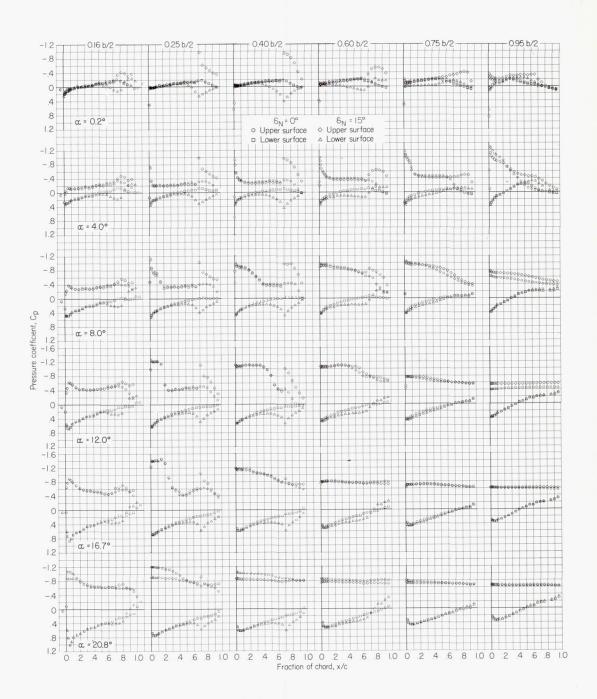
(a) M = 0.80.

Figure 3.- Comparison of chordwise pressure distributions on the basic wing, $\delta_N=0^\circ$, with distributions on the wing with deflected aileron, $\delta_N=15^\circ$.



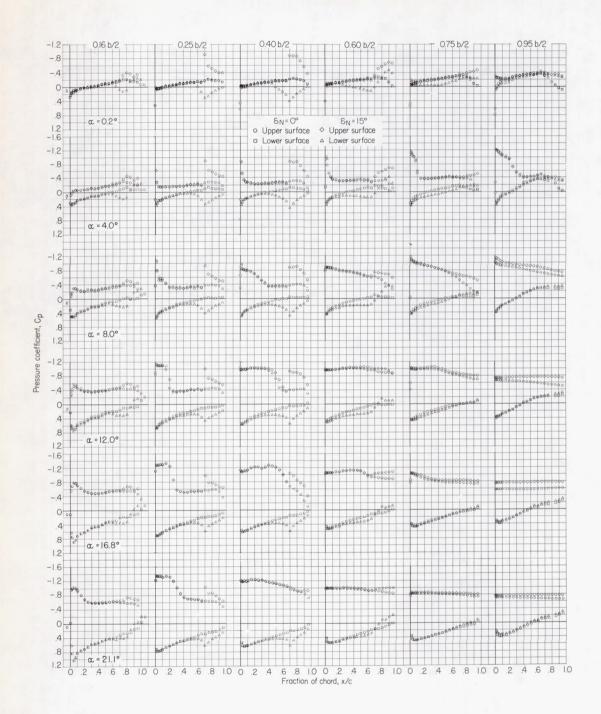
(b) M = 0.90.

Figure 3.- Continued.



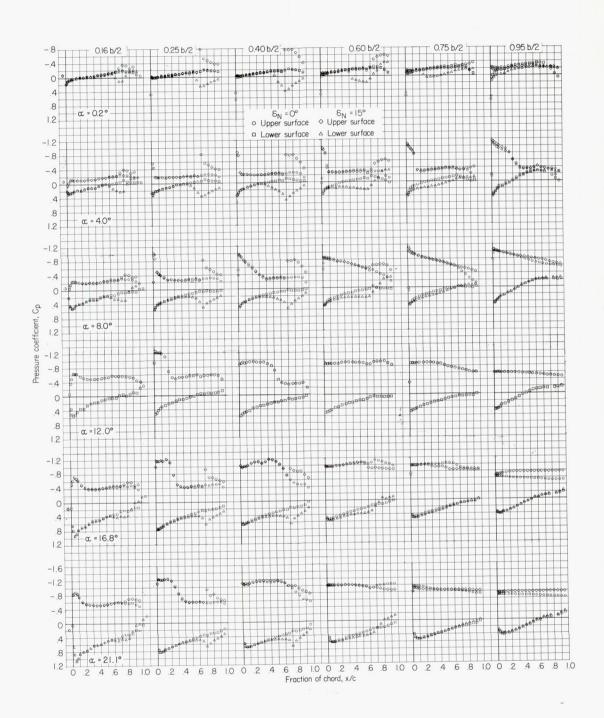
(c) M = 0.94.

Figure 3.- Continued.



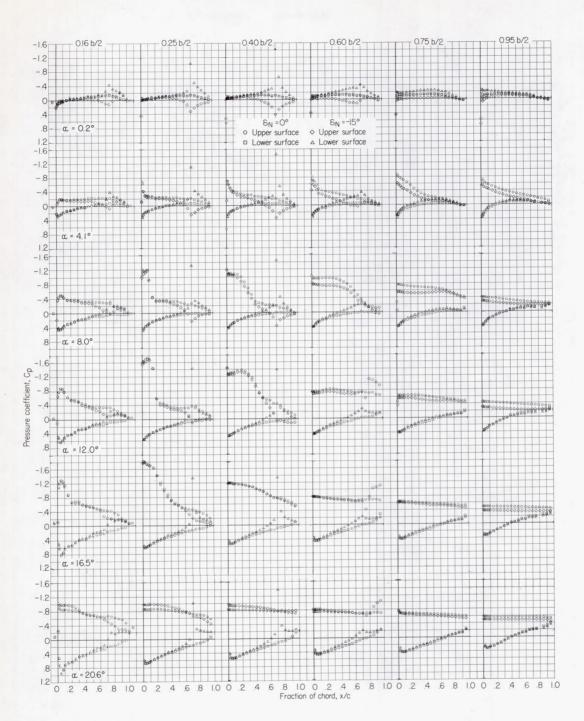
(d) M = 0.98.

Figure 3.- Continued.



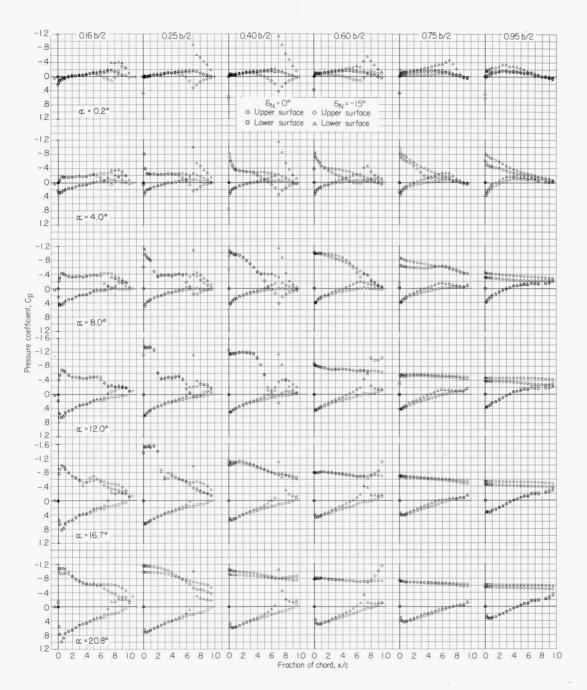
(e) M = 1.03.

Figure 3.- Concluded.



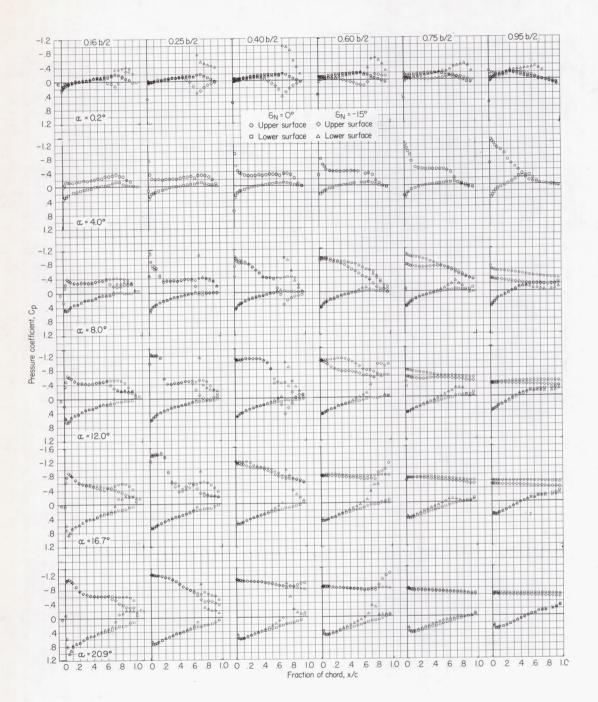
(a) M = 0.80.

Figure 4.- Comparison of chordwise pressure distributions on the basic wing, $\delta_N=0^\circ$, with distributions on the wing with deflected aileron, $\delta_N=-15^\circ$.



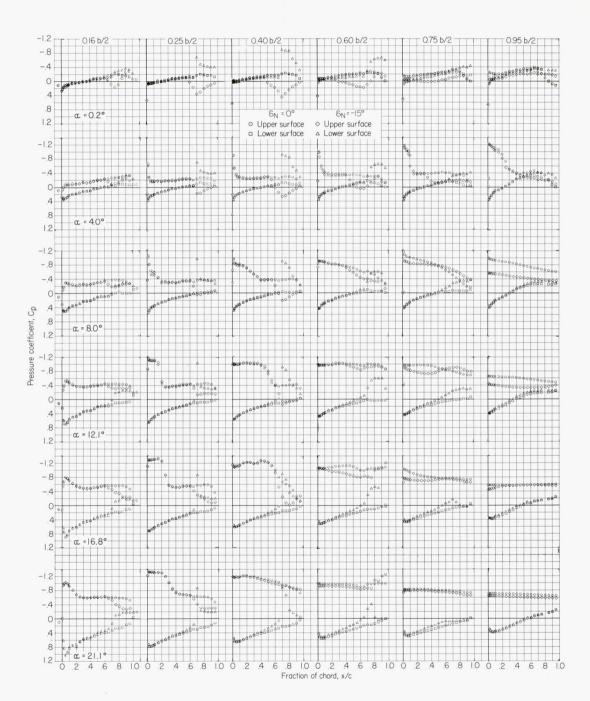
(b) M = 0.90.

Figure 4.- Continued.



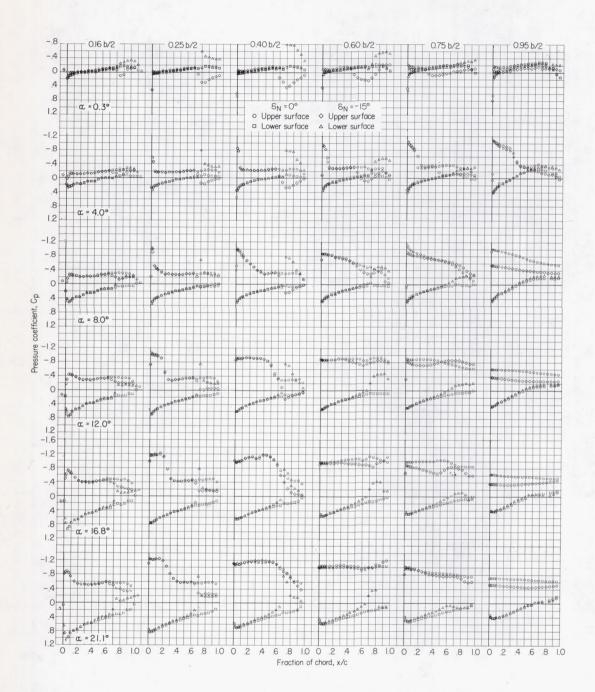
(c) M = 0.94.

Figure 4.- Continued.



(d) M = 0.98.

Figure 4.- Continued.



(e) M = 1.03.

Figure 4.- Concluded.

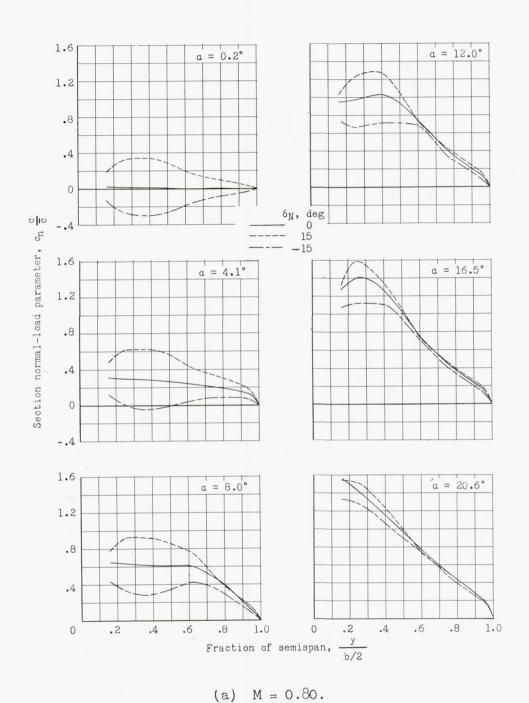
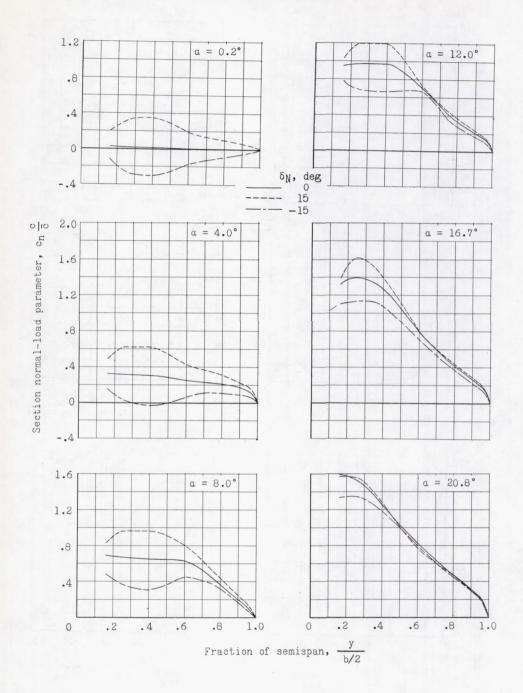
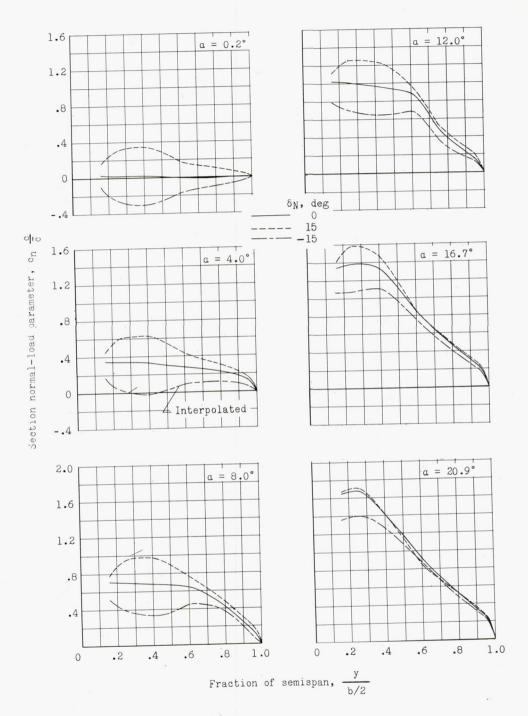


Figure 5.- Spanwise variation of wing section normal-load parameter $c_n\frac{c}{\overline{c}} \quad \text{for different aileron deflections.}$



(b) M = 0.90.

Figure 5.- Continued.



(c) M = 0.94.

Figure 5.- Continued.

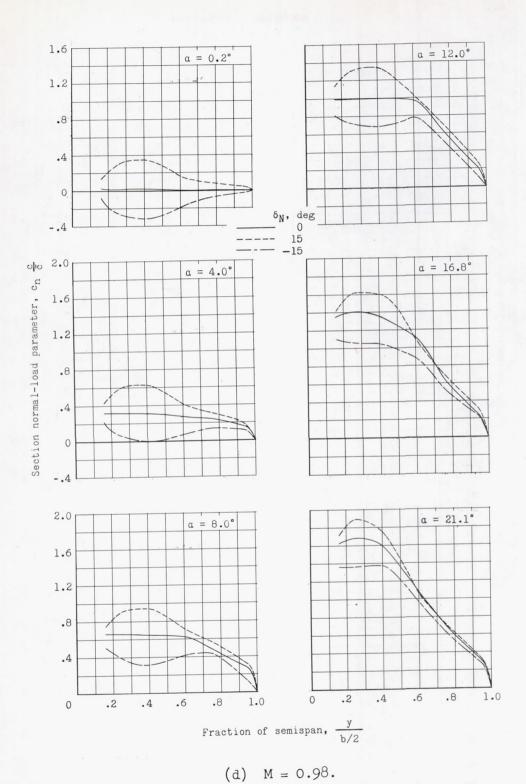
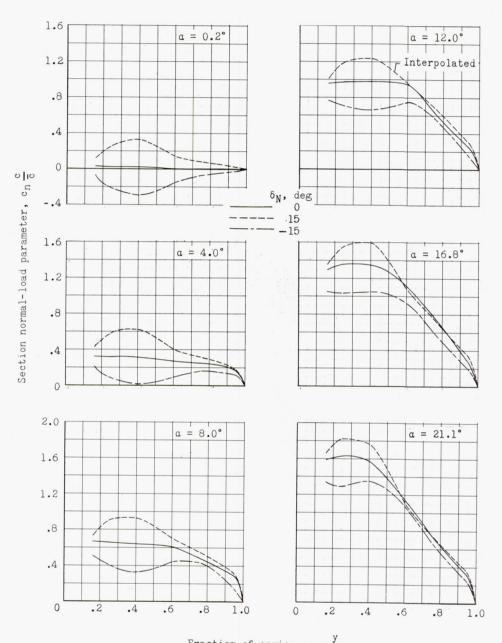


Figure 5.- Continued.



Fraction of semispan, $\frac{y}{b/2}$

(e) M = 1.03.

Figure 5.- Concluded.

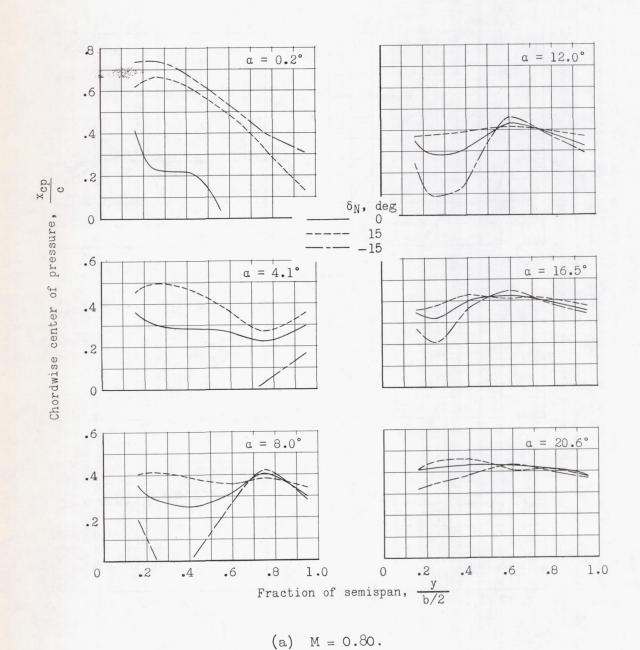
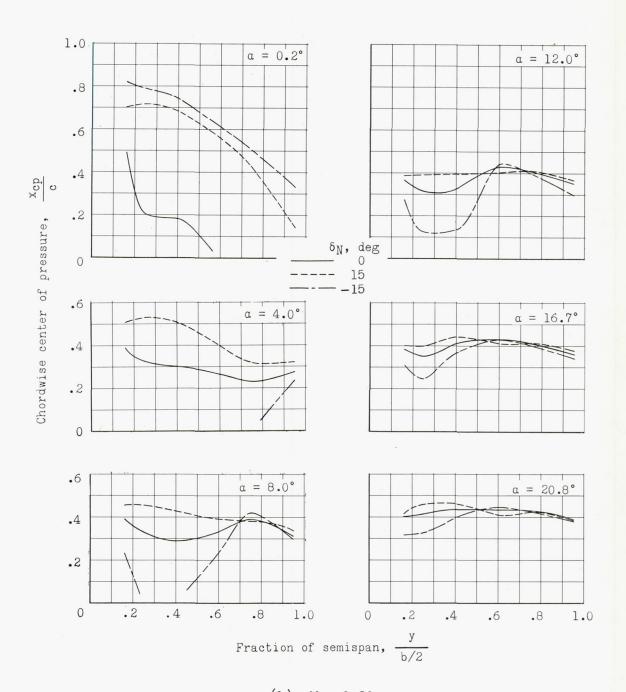
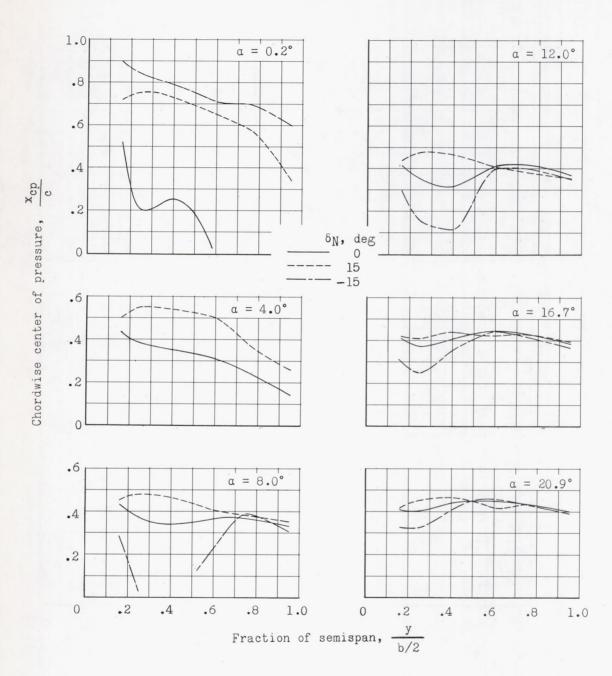


Figure 6.- Spanwise variation of wing section center-of-pressure location $x_{\rm cp}/c$ for different aileron deflections.



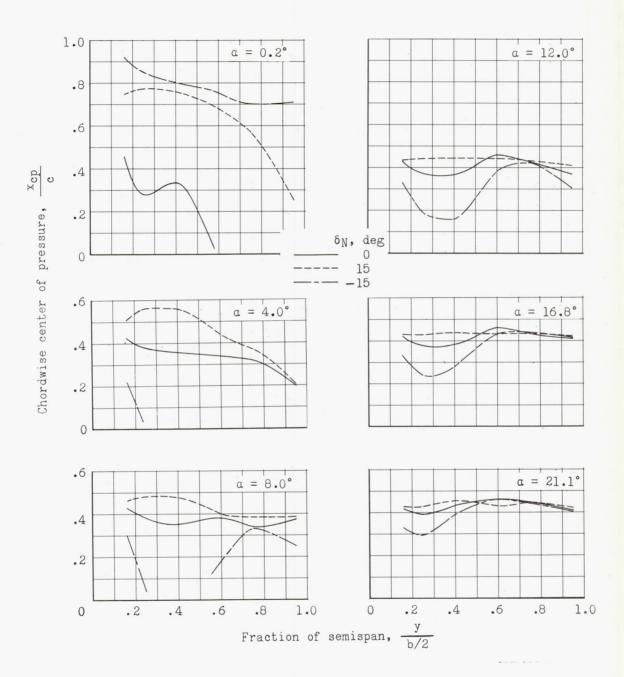
(b) M = 0.90.

Figure 6.- Continued.



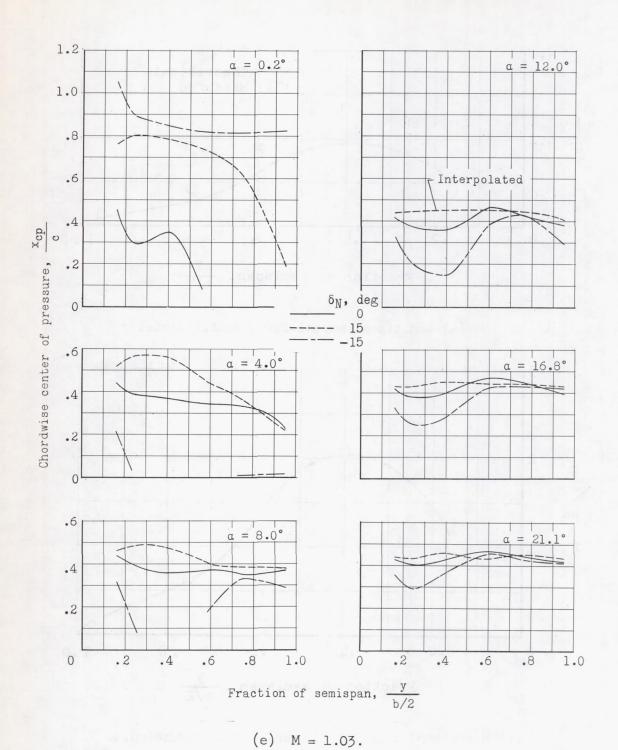
(c) M = 0.94.

Figure 6.- Continued.



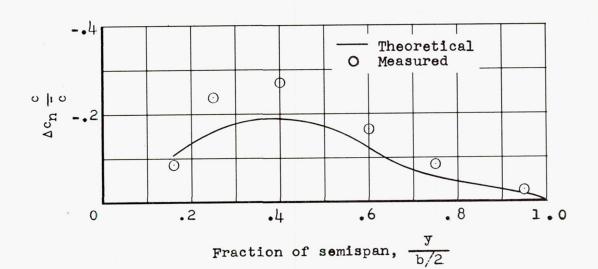
(d) M = 0.98.

Figure 6.- Continued.

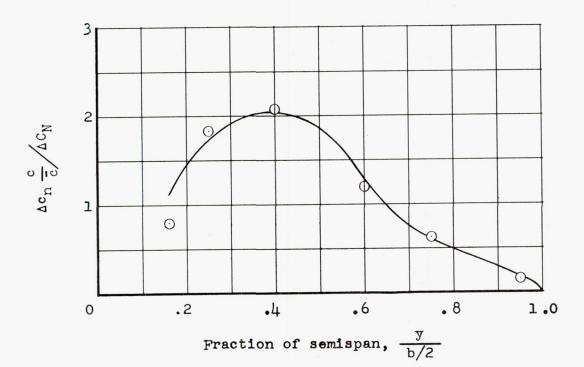


(0) 11 - 1:0).

Figure 6.- Concluded.



(a) Additional normal-force coefficients.



(b) Normalized additional normal-force coefficients.

Figure 7.- Comparison of theoretical and measured additional normal-force coefficients at $\alpha\approx0^{\circ},~\delta_{N,L}$ = 15°, and δ_{N} = -15°; M = 0.80.

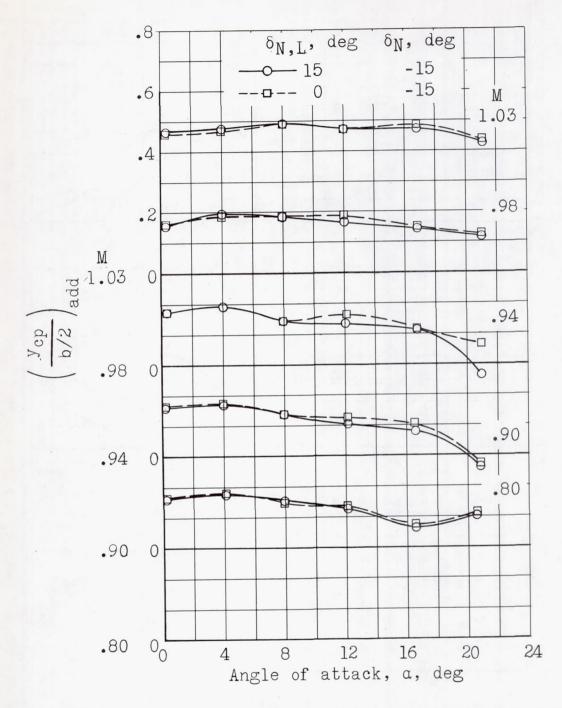


Figure 8.- Spanwise center-of-pressure locations of additional load for oppositely deflected ailerons ($\delta_{N,L}=15^{\circ}$, $\delta_{N}=-15^{\circ}$) and for one deflected aileron ($\delta_{N,L}=0^{\circ}$, $\delta_{N}=-15^{\circ}$).

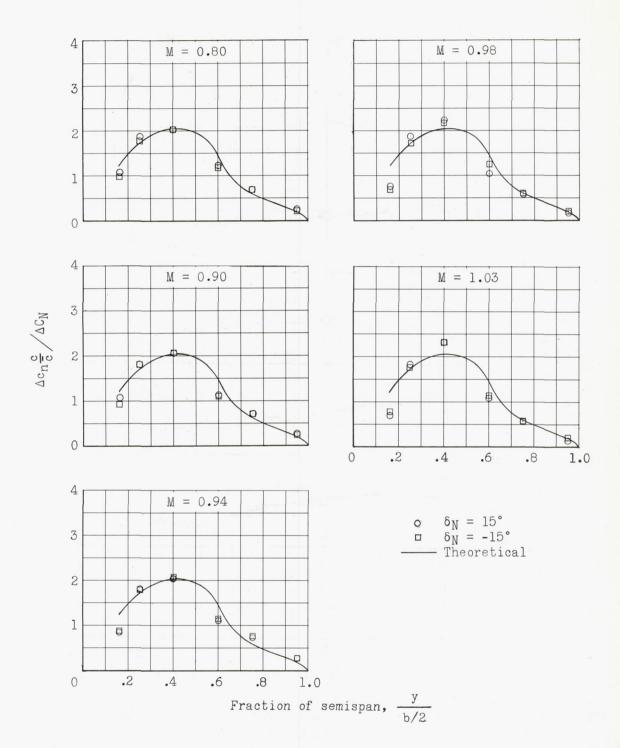


Figure 9.- Comparison of measured normalized additional span loading parameters with additional span loading parameters calculated for $\alpha\approx0^{\circ}$.

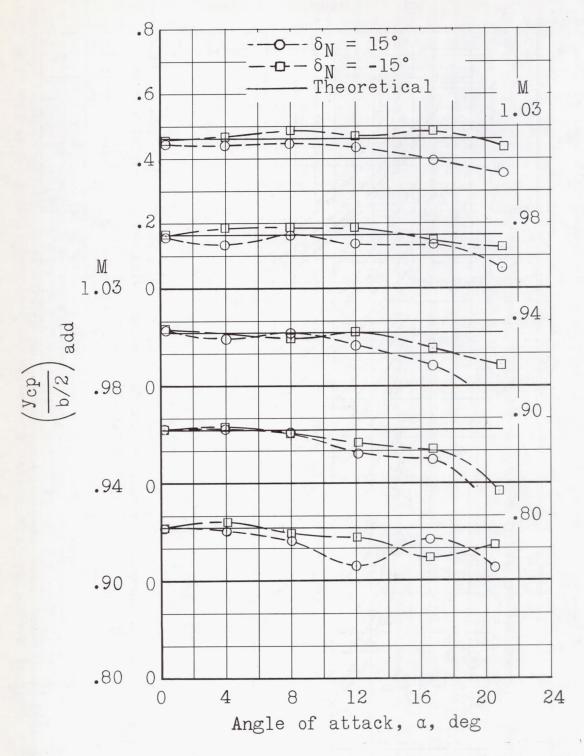


Figure 10.- Variation of spanwise center-of-pressure locations of additional load with model angle of attack.

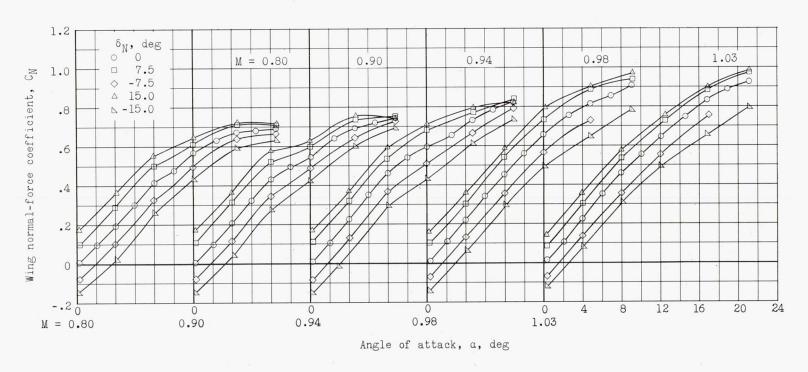
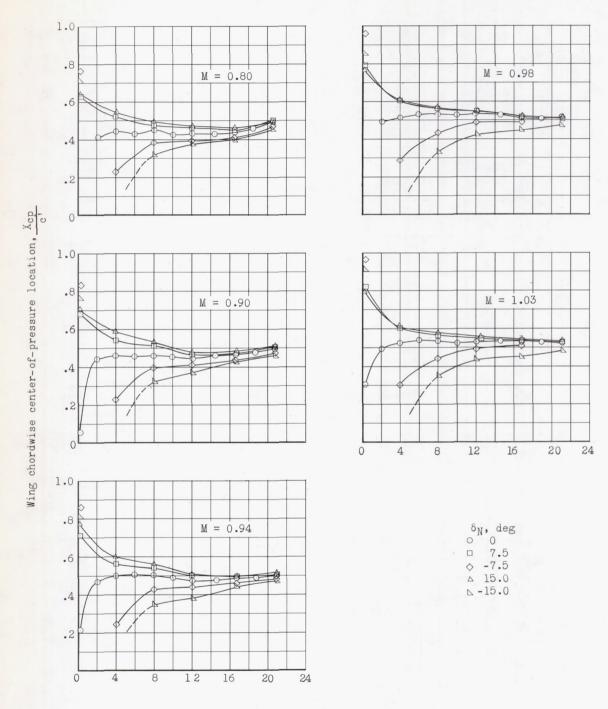


Figure 11.- Wing normal-force coefficients for the basic wing and for several aileron deflections.



Angle of attack, a, deg

Figure 12.- Wing longitudinal center-of-pressure locations for the basic wing and for several aileron deflections.

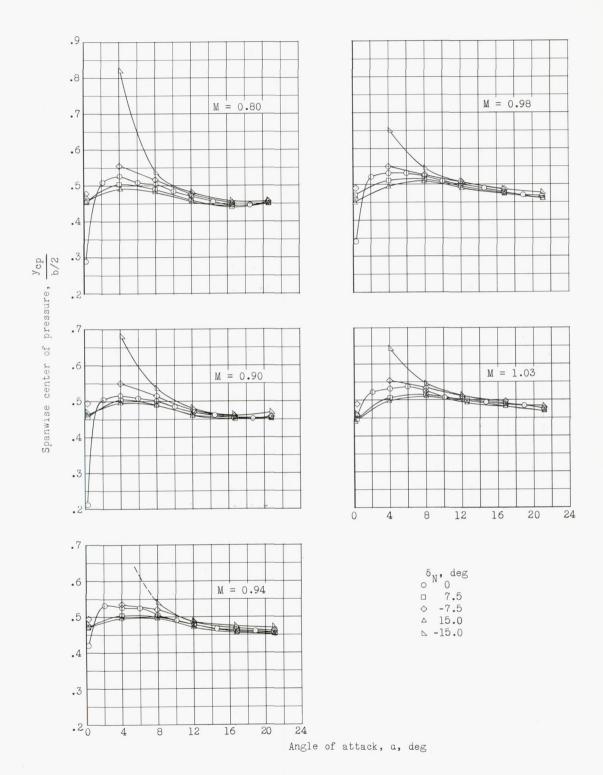


Figure 13.- Wing spanwise center-of-pressure locations for the basic wing and for several aileron deflections.

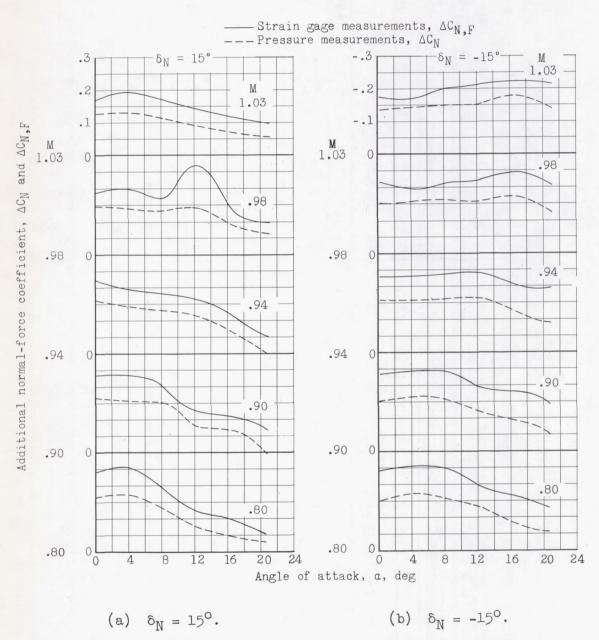


Figure 14.- Comparison of total model additional normal-force coefficients with wing additional normal-force coefficients.

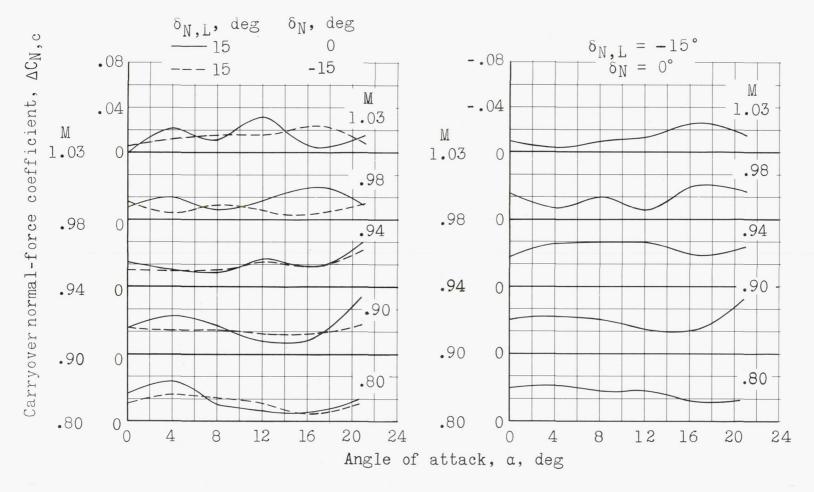


Figure 15.- Variation of carryover wing normal-force coefficient with angle of attack.

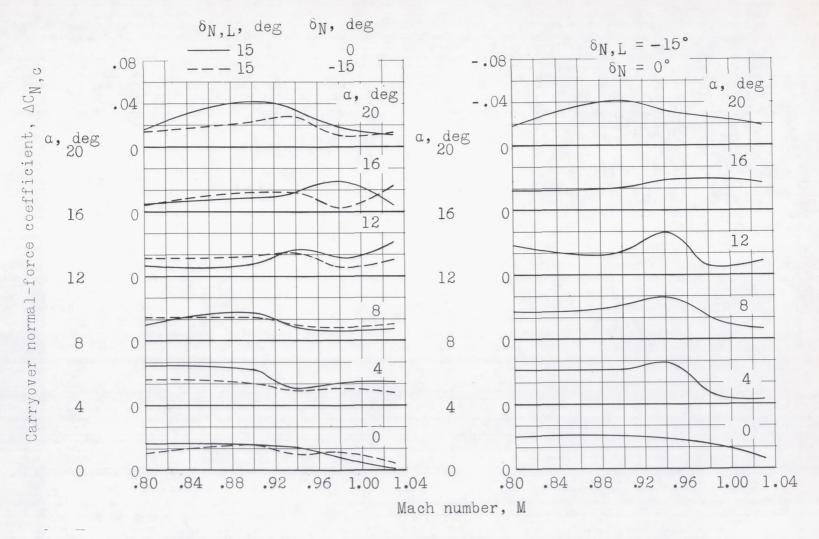


Figure 16.- Variation of carryover wing normal-force coefficient with Mach number.